



Lesson Exit Ticket — Python Quiz Game

Name



Part 1 — Self-Assessment

Tick the box that best describes your achievement today:

- Level 1:** My partner and I built a quiz game with at least 3 questions using if/else statements.
- Level 2:** Our quiz correctly tracks the score using a variable.
- Level 3 (Challenge):** Our quiz includes improvements such as handling uppercase/lowercase answers, extra questions, functions, or loops.

Part 2 — Explaining Your Code

Choose **ONE** option below based on your confidence level.
Use correct Computer Science terminology where possible.

◆ Option A — Scaffolded: Fill in the Blanks

Look at this code:

```
score = 0
user_answer = input("What is the capital of France? ")

if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

variable comparison operator conditional branching assignment operator

1. score is a variable because it stores the player's points.
2. score = 0 uses an assignment operator to give score a starting value.
3. The if statement uses conditional branching because the program makes a decision.
4. The == symbol is a comparison operator because it checks whether two values are the same.

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

After the user has another question answered correctly, the user can earn 1 more point.

2. Why does the program use an if statement?

To different 2 situations of correct and incorrect.

Sentence Starters

- `score = score + 1` means...
- The if statement is used because...

There are different possible choices.

🦋 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

The program will output "incorrect".

2. How could you improve the code so it accepts both uppercase and lowercase answers?

Add both cases in the if statement.



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-

Part 2 — Explaining Your Code

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Look at this code:

```
score = 0
user_answer = input("What is the capital of France? ")

if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

~~variable~~ ~~comparison operator~~ ~~conditional branching~~ ~~assignment operator~~

- change*
- score is a assignment operator because it stores the player's points.
 - score = 0 uses an variable to give score a starting value.
 - The if statement uses conditional branching because the program makes a decision.
 - The == symbol is a comparison operator because it checks whether two values are the same.

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

2. Why does the program use an if statement?

Sentence Starters

- `score = score + 1` means...
- The if statement is used because...

🦅 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

2. How could you improve the code so it accepts both uppercase and lowercase answers?



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Look at this code:

```
score = 0
user_answer = input("What is the capital of France? ")

if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

variable comparison operator conditional branching assignment operator

1. score is a variable because it stores the player's points.
2. score = 0 uses an assignment operator to give score a starting value.
3. The if statement uses comparison operator because the program makes a decision. conditional branching
4. The == symbol is a comparison operator because it checks whether two values are the same. conditional bra

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

2. Why does the program use an if statement?

Sentence Starters

- `score = score + 1` means...
- The if statement is used because...

🚀 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

~~ERROR~~ Answer is incorrect

2. How could you improve the code so it accepts both uppercase and lowercase answers?

Add `lower()` to ~~input~~ if



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Look at this code:

```
score = 0
user_answer = input("What is the capital of France? ")

if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

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◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

`score = score + 1`

adding the score

2. Why does the program use an if statement?

Because in different condition, it will react different things, so it need to define the condition.

Sentence Starters

- `score = score + 1` means...
- The if statement is used because...

🦋 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

2. How could you improve the code so it accepts both uppercase and lowercase answers?



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Look at this code:

```
score = 0
user_answer = input("What is the capital of France? ")

if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```



Word Bank

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◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

add one on "score"

2. Why does the program use an if statement?

Because it need to check what user input.
and correct or not

Sentence Starters

- score = score + 1 means...
 - The if statement is used because...
-

🚀 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?
-
-

2. How could you improve the code so it accepts both uppercase and lowercase answers?
-
-



Lesson Exit Ticket — Python Quiz Game

Name [REDACTED]

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Option A — Scaffolded: Fill in the Blanks

Look at this code:

```
score = 0
user_answer = input("What is the capital of France? ")

if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

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1. score is a variable because it stores the player's points.
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4. The == symbol is a comparison operator because it checks whether two values are the same.

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

it adds one to the score variable

2. Why does the program use an if statement?

to decide whether if the user is correct or not

Sentence Starters

- score = score + 1 means...
- The if statement is used because...

✍ Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

it will be incorrect as python is a relatively case sensitive coding language
as 'p' and 'P' is different

2. How could you improve the code so it accepts both uppercase and lowercase answers?

if answer: "paris" or "Paris":



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Look at this code:

```
score = 0
user_answer = input("What is the capital of France? ")

if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

variable comparison operator conditional branching assignment operator

1. score is a _____ because it stores the player's points.
2. score = 0 uses an _____ to give score a starting value.
3. The if statement uses _____ because the program makes a decision.
4. The == symbol is a _____ because it checks whether two values are the same.

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

The score will change to score plus one. For example score = 0 first then it will change to 1.

2. Why does the program use an if statement?

For a condition program. For example if condition then " else ".

Sentence Starters

- score = score + 1 means...
- The if statement is used because...

✈ Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

2. How could you improve the code so it accepts both uppercase and lowercase answers?



Lesson Exit Ticket — Python Quiz Game

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Level 2: Our quiz correctly tracks the score using a variable.

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Look at this code:

```
score = 0
user_answer = input("What is the capital of France? ")

if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

variable comparison operator conditional branching assignment operator

1. score is a _____ because it stores the player's points.
2. score = 0 uses an _____ to give score a starting value.
3. The if statement uses _____ because the program makes a decision.
4. The == symbol is a _____ because it checks whether two values are the same.

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

2. Why does the program use an if statement?
-
-

Sentence Starters

- `score = score + 1` means...
 - The if statement is used because...
-

🦋 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

It doesn't work. ~~Capital~~ Capitalization
issue. It is not exactly the same.

2. How could you improve the code so it accepts both uppercase and lowercase answers?

Add. `if user.answer == "Paris" or
user.answer == "paris"`.



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Look at this code:

```
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if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

variable comparison operator conditional branching assignment operator

1. `score` is a _____ because it stores the player's points.
2. `score = 0` uses an _____ to give `score` a starting value.
3. The `if` statement uses _____ because the program makes a decision.
4. The `==` symbol is a _____ because it checks whether two values are the same.

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

2. Why does the program use an if statement?

Sentence Starters

- `score = score + 1` means...
- The if statement is used because...

🦋 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

The program will not consider "paris" as correct
python detect "paris" and "Paris" differently.

2. How could you improve the code so it accepts both uppercase and lowercase answers?

To add an "or" operator to detect both "paris"
and "Paris"



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score = 0
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if user_answer == "Paris":
    print("Correct!")
    score = score + 1
```

Word Bank

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4. The == symbol is a CO because it checks whether two values are the same.

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

```
score = score + 1  
score + 1
```

2. Why does the program use an if statement?

if correct or not

Sentence Starters

- score = score + 1 means...
- The if statement is used because...

+1 score if the player get it correct

✍ Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

2. How could you improve the code so it accepts both uppercase and lowercase answers?



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```

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Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

2. Why does the program use an if statement?

Sentence Starters

- `score = score + 1` means...
- The if statement is used because...

🚀 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

2. How could you improve the code so it accepts both uppercase and lowercase answers?



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user_answer = input("What is the capital of France? ")

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    print("Correct!")
    score = score + 1
```

Word Bank

variable comparison operator conditional branching assignment operator

1. score is a _____ because it stores the player's points.
2. score = 0 uses an _____ to give score a starting value.
3. The if statement uses _____ because the program makes a decision.
4. The == symbol is a _____ because it checks whether two values are the same.

◆ Option B — Explain the Code

Look at the same code above.

1. Explain what this line does:

score = score + 1

correct
When you do one question the score +1 once.

2. Why does the program use an if statement?

Because need to have other options answer

Sentence Starters

- score = score + 1 means...
- The if statement is used because...

🦋 Option C — Challenge: Improve the Code

Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

2. How could you improve the code so it accepts both uppercase and lowercase answers?



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```

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Look at the same code above.

1. Explain what this line does:

```
score = score + 1
```

2. Why does the program use an if statement?

Sentence Starters

- `score = score + 1` means...
- The if statement is used because...

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Look at the same code in option A.

1. What happens if the user types "paris" instead of "Paris"?

2. How could you improve the code so it accepts both uppercase and lowercase answers?
