

# python

Course: Python

Duration: 60 minutes

Date: 2025-05-02

---

## Instructions:

- Use a No. 2 pencil to fill in the bubbles completely.
- For multiple-choice questions, select one answer by filling the corresponding bubble.
- For coding questions, write your code in the provided answer space.
- Do not make stray marks on the sheet.

## Multiple Choice Questions

1. Which SQL statement is used to add a new column to a table?

- |                                       |  |
|---------------------------------------|--|
| <input type="radio"/> A. ADD COLUMN   | <input type="radio"/> B. ALTER TABLE   |
| <input type="radio"/> C. MODIFY TABLE | <input type="radio"/> D. INSERT COLUMN |

2. What is the purpose of the 'fetch()' API in JavaScript?

- |   |   |
|---|---|
| <input type="radio"/> A. To make HTTP requests    | <input type="radio"/> B. To retrieve data from localStorage |
| <input type="radio"/> C. To load external scripts | <input type="radio"/> D. To query a database                |

3. What is the output of ``print('Hello' * 3)`` in Python?

- |  |  |
|--|--|
| <input type="radio"/> A. HelloHelloHello | <input type="radio"/> B. Hello3            |
| <input type="radio"/> C. TypeError       | <input type="radio"/> D. Hello Hello Hello |

# python

Course: Python

Duration: 60 minutes

Date: 2025-05-02

---

4. What is the purpose of the 'useEffect' hook in React?

☐

A. To manage component state

☐

B. To perform side effects in function components

☐

C. To handle events

☐

D. To create reusable logic

# python - Code Question 1: Factorial

Course: Python

Duration: 60 minutes

Date: 2025-05-02

---

## Language: Python

```
def factorial(n):  
    # Your code here  
    return 1
```

## Answer:

---

---

---

---

---

---

---

---

## python - Code Question 2: Reverse String

Course: Python

Duration: 60 minutes

Date: 2025-05-02

---

### Language: Python

```
def reverse_string(s):  
    # Your code here  
    return s
```

### Answer:

---

---

---

---

---

---

---

---

## python - Code Question 3: Sum of Two Numbers

Course: Python

Duration: 60 minutes

Date: 2025-05-02

---

### Language: Python

```
def sum_two_numbers(a, b):  
    # Your code here  
    return 0
```

### Answer:

---

---

---

---

---

---

---

---

## python - Code Question 4: Find Maximum

Course: Python

Duration: 60 minutes

Date: 2025-05-02

---

### Language: Javascript

```
function findMax(a, b) {  
    // Your code here  
    return a;  
}
```

### Answer:

---

---

---

---

---

---

---

---