

5 Lecture - CS201

Important Mcqs

1. What is the syntax for an if statement in Python?

- A. if (condition):
- B. if [condition]:
- C. if {condition}:
- D. if <condition>:

Answer: A

2. What is the output of the following code snippet?

```
x = 5
if x > 3:
    print("x is greater than 3")
else:
    print("x is less than or equal to 3")
```

- A. x is greater than 3
- B. x is less than or equal to 3
- C. SyntaxError
- D. NameError

Answer: A

3. Which conditional statement can handle multiple conditions in Python?

- A. if statement
- B. if-else statement
- C. if-elif statement
- D. switch statement

Answer: C

4. What is the syntax for an if-else statement in JavaScript?

- A. if (condition) {code block 1;} else {code block 2;}
- B. if [condition] {code block 1;} else {code block 2;}
- C. if {condition} {code block 1;} else {code block 2;}
- D. if <condition> {code block 1;} else {code block 2;}

Answer: A

5. What is the output of the following code snippet?

```
x = 10
if x > 5:
print("x is greater than 5")
elif x > 8:
print("x is greater than 8")
else:
print("x is less than or equal to 5")
```

- A. x is greater than 5
- B. x is greater than 8
- C. x is less than or equal to 5
- D. SyntaxError

Answer: A

6. Which conditional statement is used to execute different code blocks for different values of a variable?

- A. if statement
- B. if-else statement
- C. if-elif statement
- D. switch statement

Answer: D

7. What is the output of the following code snippet?

```
x = 10
if x > 5 and x < 15:
print("x is between 5 and 15")
```

- A. x is between 5 and 10
- B. x is between 10 and 15
- C. x is greater than 5 and less than 15
- D. x is not between 5 and 15

Answer: C

8. Which of the following is an example of a Boolean expression?

- A. 5 + 3
- B. "Hello, world!"
- C. True
- D. None

Answer: C

9. What is the output of the following code snippet?

```
x = "apple"
if "p" in x:
```

```
print("The letter p is in x")
```

- A. The letter p is in x
- B. The letter p is not in x
- C. SyntaxError
- D. NameError

Answer: A

10. **What is the output of the following code snippet?**

```
x = 5
if x == 5:
    x = x + 1
if x > 5:
    x = x + 2
print(x)
```

- A. 5
- B. 6
- C. 7
- D. 8

Answer: C