



First and last name .....

### Question 1/10

```
numbers = [1, 2, 3, 4, 5]
total = 0
for num in numbers:
    if num == 3:
        break
    total += num
print(total)
```

What will be the output of the above code snippet?

- A. 6
- B. 3
- C. 15
- D. 10

### Question 2/10

```
numbers = [1, 2, 3, 4, 5]
for num in numbers:
    if num % 2 == 0:
        continue
    print(num)
```

What will be the output of the above program?

- A. 1 3 5 2 4
- B. 2 4
- C. 1 3 5
- D. 1 2 3 4 5

### Question 3/10

```
i = 0
while i < 5:
    if i == 3:
        break
    i += 1
print(i)
```

What will be the output of the above code snippet?

- A. 2
- B. 3
- C. 4
- D. 5

**Question 4/10**

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

What is the output of the above program?

- A. No output
- B. x is less than y
- C. x is greater than y
- D. x is equal to y

**Question 5/10**

```
i = 0
while i < 5:
    i += 1
    if i == 3:
        continue
    print(i, end=' ')
```

What will be the output of the above code snippet ?

- A. 1 2 3 4 5
- B. 1 2 4 5
- C. 1 2 4
- D. 3

**Question 6/10**

```
numbers = [1, 2, 3, 4, 5]
total = 0
for num in numbers:
    if num % 2 != 0:
        total += num
print(total)
```

What is the output of the above code snippet ?

- A. 0
- B. 6
- C. 9
- D. 15

**Question 7/10**

```
x = 5
y = 3
if x > y:
    if x % y == 0:
        print("x is divisible by y")
    else:
        print("x is not divisible by y")
else:
    print("Invalid comparison")
```

What is the output of the above program ?

- A. x is not divisible by y
- B. Invalid comparison
- C. x is divisible by y
- D. No output

**Question 8/10**

```
numbers = [1, 2, 3, 4, 5]
for num in numbers:
    if num % 2 == 0:
        break
    print(num)
else:
    print("All numbers are even")
```

What is the output of the above program?

- A. 1 2 3 4 5
- B. 1
- C. 1 3 5
- D. All numbers are even

**Question 9/10**

```
i = 0
while i < 5:
    i += 1
    if i == 3:
        continue
    print(i, end=' ')
else:
    if i == 5:
        print("Loop completed successfully", end=' ')
```

What is the output of the above program?

- A. 1 2 3 4 5
- B. 1 2 4 5 Loop completed successfully
- C. 1 2 4 Loop completed successfully
- D. 1 2 4 5



### Question 10/10

```
x = 100
while x > 0:
    print(x, end=' ')
    x = x // 2
```

What is the output of the above program?

- A. 100 50 25 12 6 3 1
- B. 100 50 25 12 6 3 0
- C. 100 50 25 12 6 0
- D. 100 50 25 0