Task

1.What will be printed?

```
a = [1, 2, 3]

b = a

b.append(4)

print(a)
```

A) [1, 2, 3]
B) [1, 2, 3, 4]
C) [4]
D) Error

---

2. What is the output?

```
x = [1, 2, 3, 4, 5]

print(x[1:4])
```

A) [1, 2, 3, 4]
B) [2, 3, 4]
C) [1, 2, 3]
D) [4, 5]

3. What is the output?

```
nums = [1, 2] * 3
```

print(nums)

A) [1, 2, 1, 2, 1, 2]
B) [3, 3, 3]
C) [1, 2, 3]
D) Error

4.What will be printed?

a = [1, 2, 3]

b = [4, 5]

print(a + b)

A) [5, 7, 8]
B) [1, 2, 3, 4, 5]
C) [1, 2, 3]
D) Error

---

5. What is the output?

data = [1, [2, 3], 4]

print(data[1][0])

A) 1
B) [2, 3]
C) 2
D) 3

6. Which of the following will remove all elements from a list?

A) list.clear()
B) del list[:]
C) list = []
D) All of the above

---

7. What is the result?

```
nums = [10, 20, 30, 40]

print(30 in nums)
```

A) True
B) False
C) 30
D) Error

---

8. What will this code print?

```
values = [1, 2, 3, 4, 5]

print(values[::-1])
```

A) [5, 4, 3, 2, 1]
B) [1, 2, 3, 4, 5]
C) [1, 3, 5, 2, 4]
D) Error