Quiz: Lists, If Condition and For Loop

Q1. What will the output be when you run the following for loop?

```
for i in range(2,10):
    if i%5==0:
        break
    print(i)
```

(a) 1 2 3
(b) 2 4 6
(c) 5 10
(d) 2 3 4

Q2. What happens when you try to remove an element that is not present in the list using remove()?

```
animals = ["cat", "dog", "rabbit", "wolf"]
animals.remove("lion")
```

(a) It removes the first element of the list.
(b) It raises a ValueError.
(c) The list remains unchanged.
(d) Prints an error "Lion is too strong to be removed"

Q3. How does the continue statement affect a for loop in Python?
(a) It allows the loop to take a quick nap
(b) It pauses the loop momentarily
(c) It skips the current iteration and proceeds to the next iteration
(d) It skips all remaining loops

Q4. What is the result of the following code?

```
office_supplies = ["pen", "paper", "stapler"]
kitchen_supplies = ["fork", "knife", "spoon"]
combined_list =  kitchen_supplies + office_supplies
print(combined_list[2: 4])
```

(a) ["spoon", "pen"]
(b) ["pen", "paper"]
(c) ["stapler", "fork"]
(d) ["knife", "spoon"]

Q5. What is the result of the following code?

```
prices = [300, 50, 1200, 10]
sorted(prices)
print(prices[2])
```

(a) 50
(b) 1200
(c) 300
(d) Answer not LISTed

Q6. What will be the output of the following code?

```
lst = [1, [2, 3], 4, [5, [6, 7]]]
print(lst[3][1][0])
```

(a) Error
(b) 4
(c) 7
(d) 6

Q7. What will be the output of the following code?

```
n = -5
message = "Negative" if n >= 0 else "Positive"
print(message)
```

(a) "Positive"
(b) "Negative"
(c) "Be Positive"
(d) Error

Q8. What will the following code output?

```
age = 17
if age >= 30:
    print("Adult")
elif age > 18 and age < 30:
    print("Young adult")
else:
    print("Minor")
```

(a) "Young adult"
(b) "Adult"
(c) "Minor"
(d) Error

Q9. Which of the following will add "orange" to the fruits list?

```
fruits = ["apple", "banana", "cherry", "date"]
```

(a) fruits.append("orange")
(b) fruits.insertinto(1, "orange")
(c) fruits.remove("orange")
(d) fruits = fruits ++ ["orange"]

Q10. What will the output be when you run the following for loop?

```
for i in range(4):
    print(i)
```

(a) 1 2 3 4
(b) 0 1 2 3
(c) Stuck in the loop!
(d) 0 1 2