Break And Continue Statement And Range Function

Assignment Questions

1. **Write a program to print numbers from 1 to 10, but stop if the number is 5.**

#code

```
for i in range(1, 11):

    if i == 5:

        Break

    print(i)
```

2. **Write a program to iterate through a list and stop when encountering a specific element.**

#code

```
my_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

for element in my_list:
```

```python
    if element == 5:

        Break

    print(element)
```

3. Write a program to skip printing even numbers from 1 to 10.

```python
#code

for i in range(1, 11):

    if i % 2 == 0:  # Check if the number is even

        continue  # Skip even numbers

    print(i)
```

4. Write a program to print numbers from 0 to 9 using range().

```python
#code
for i in range(10):

    print(i)
```

5. Write a program to print multiplication tables from 1 to 5, but stop after the first table is printed for each number.

#code

```python
for i in range(1, 6):  # Iterate from 1 to 5

    print(f"Multiplication table for {i}:")

    for j in range(1, 11):  # Iterate from 1 to 10

        print(f"{i} x {j} = {i * j}")

    print()  # Empty line for separation between tables
```

6. Write a program to skip printing even numbers using a while loop.

#code

```python
num = 0
while num < 10:
    num += 1
    if num % 2 == 0:
```

```
        continue
print(num)
```