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Assignment: Break And Continue Statement   And Range Function

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

  Ans:

```
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.
Ans :

```
def iterate_until_found(1st, target):
   for item in 1st:
      print(item)  # Print the current element
      if item == target:
         print(f"Target '{target}' found. Stopping iteration.")
         break
   else:
      print(f"Target '{target}' not found in the list.")


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

iterate_until_found(my_list, target_element)
```

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

```
for number in range(1, 11):
   if number % 2 == 0:
      continue
   print(number)
```

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

```
# Print numbers from 0 to 9
for number in range(10):
   print(number)
```

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

```
def print_table(num):
    print(f"Multiplication table for {num}:")
    for i in range(1, 11):
        print(f"{num} x {i} = {num * i}")
    print()  # Print a newline for better readability

for number in range(1, 6):
    print_table(number)
    break
```

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

```
num = 1

limit = 20

while num <= limit:
    if num % 2 != 0:
        print(num)
    num += 1
```