Assignment - 30 Full Stack Web Development using Python MySirG

for loop and range

1. Write a python script to print the first 10 multiples of 5.

for r in range(1,11):  
 multiple=5\*r  
 print(multiple)

2. Write a python script to print first 10 multiples of N

n=int(input("enter the number"))  
for r in range(1,11):  
 multiple=n\*r  
 print(multiple

3. Write a python script to print first M multiples of N.

def print\_multiples(M, N):  
 for i in range(1, M + 1):  
 print(N \* i)  
  
# Example usage  
M = 5 # Number of multiples  
N = 7 # Base number  
  
print("First", M, "multiples of", N, ":")  
print\_multiples(M, N)

4. Write a python script to print the first 10 multiples of N in reverse order.

n=int(input("enter the number"))  
for r in range(1,11):  
 multiple=n\*(11-r)  
 print(multiple)

5. Write a python script to print table of user’s choice

n=int(input("enter the number"))  
for r in range(1,11):  
 multiple=n\*(r)  
 print(multiple)

6. Write a python script to print first N even natural numbers.

N=int(input("enter the number"))  
def print\_even\_numbers(N):  
 for i in range(1, N + 1):  
 print(2 \* i)  
  
# Example usage  
# Number of even numbers  
  
print("First", N, "even natural numbers:")  
print\_even\_numbers(N)

7. Write a python script to print first N odd natural numbers

N=int(input("enter the number"))  
def print\_odd\_numbers(N):  
 for i in range(0, N + 1):  
 print(i\*2+1)  
print\_odd\_numbers(N)

8. Write a python script to print squares of first N natural numbers.

N=int(input("enter the number"))  
def print\_squares(N):  
 for i in range(0, N + 1):  
 print(i\*\*2)  
print\_squares(N)

9. Write a python script to print cubes of first N natural numbers.

N=int(input("enter the number"))  
def print\_squares(N):  
 for i in range(0, N + 1):  
 print(i\*\*2\*2)  
print\_squares(N)

10. Write a python script to display all prime numbers within a range.

# range

start = 15

end = 45

for i in range(15,45):  
 if (i%1==0):  
 print(i)