

## Test 1

Q1. Write the output of the following:

1. `for i in "Myblog":  
 print(i, '?')`

2. `for i in range(5):  
 print(i)`

3. `for i in range(10,15):  
 print(i)`

Q2. Write a program to print first 10 natural number.

Q3. Write a program to print first 10 even numbers.

Q4. Write a program to print first 10 odd numbers.

Q5. Write a program to print first 10 even numbers in reverse order.

Q6. Write a program to print table of a number accepted from user.

Q7. Write a program to display product of the digits of a number accepted from the user.

Q8. Write a program to find the factorial of a number.

Q9. Write a program to find the sum of the digits of a number accepted from user

Q10. Write a program to check whether a number is prime or not.

## Test 2

Q1. Write the output of the following

1. `for i in (1,10):  
 print(i)`

2. `for i in (5,9):  
 print(i)`

3. `for i in range(2,7):  
 print(i)`

4. `for i in "csiplearninghub":`

**print(i)**

**5. for i in "python":  
    print(i, end=' ')**

**6. for i in "python":  
    print(i, end=='?')**

**7. for i in "python":  
    print(i, '\$')**

**8. for i in (1,2,3,4):  
    print(i)**

**9. for i in (3,4,7):  
    print(i)**

**10. for i in range(2,10,2):  
    print(i)**

### **Test 3**

**Q1. Write the output of the following code :**

**[1]  
x=5  
while(x<15):  
    print(x\*\*2)  
    x+=3**

**[2]  
a=7  
b=5  
while(a<9):  
    print(a+b)  
    a+=1**

**[3]:  
b=5  
while(b<9):  
    print("H")  
    b+=1**

**[4]:  
b=15  
while(b>9):  
    print("Hello")  
    b=b-2**

**[5]:**

```
x=15
while(x==15):
    print("Hello")
    x=x-3
```

```
[6]:
x = "123"
for i in x:
    print("a")
```

```
[7]:
i=9
while True:
    if i%3==0:
        break
    print("A")
```

```
[8]:
a=5
while(a<=10):
    print("a")
    a+=1
```

```
[9]:
i=0
while i<3:
    print(i)
    i=i+1
else:
    print(7)
```

```
[10]:
i=0
while i<3:
    print(i)
    i=i+1
    print(0)
```

```
[11]:
i=2
for x in range(i):
    i+=1
    print(i)
    print(i)
```

[12]:

```
i=2
for x in range(i):
    x+=1
    print(x)
print(x)
```

[13]:

```
i=2
for x in range(i):
    x+=1
    print(x)
    print("x")
[14]:
i=100
while i<57:
    print(i)
    i+=5
```

#### Test 4

Q1. Write program to print the following pattern.

a)  
1  
1 2  
1 2 3  
1 2 3 4

b)  
\* \* \* \*  
\* \* \*  
\* \*  
\*

Q2. Accept 10 numbers from the user and display their average.

Q3. Write a program to print all prime numbers that fall between two numbers including both(accept two numbers from the user)

Q4. Write a program to display sum of odd numbers and even numbers that fall between 12 and 37(including both numbers)

Q5. Write a program to display all the numbers which are divisible by 11 but not by 2 between 100 and 500.

Q6. How many times the following loop execute?

c = 0

while c < 20:

    c += 2

**Q7. Write the output of the following.**

```
c = -9
while c < 20:
    c += 3
    print(c)
```

**Q8. Write a program to print numbers from 1 to 20 except multiple of 2 & 3.**

**Q9. Write a program to print table of a number(accepted from user) in the following format.**

Like : input number is 7, so expected output is

7 \* 1 = 7

7 \* 2 = 14 and so on

**Q10. Write a program that keep on accepting number from the user until user enters Zero. Display the sum and average of all the numbers.**

#### Test 5

**Q1. Write a program to print the following pattern**

```
5 5 5 5 5
4 4 4 4
3 3 3
2 2
1
```

**Q2. Find errors in the following code:**

```
a = int("Enter any number")
for i in Range[2,6]
    if a=i
        print("A")
    else
        print("B")
```

**Q3. Write a program to accept decimal number and display its binary number.**

**Q4. Accept a number and check whether it is palindrome or not.**

**Q5. Write a program to accept a number and check whether it is a perfect number or not.**

(Perfect number is a positive integer which is equal to the sum of its divisors like divisors of 6 are 1,2,3, and sum of divisors is also 6, so 6 is the perfect number)

**Q6. Write a program to find the sum of the following series(accept values of x and n from user)**

$1 + x/1! + x^2/2! + \dots + x^n/n!$

**Q7. Write a program to print the following pattern**

```
A
B C
D E F
G H I J
K L M N O
```

**Q8. Write a program to find the sum of following (Accept values of a, r, n from user)**

$a + ar + ar^2 + ar^3 + \dots + ar^n$

**Q9. Write the output of the following  
for x in range(10,20):**

```
    if (x%2==0):  
  
        continue  
  
    print(x)
```

**Q10. Write a function to display prime numbers below any number accepted from the user.**

**Test 6**

**Q1. Write the output of the following.**

```
a=5  
while a>0:  
    print(a)  
    a=a-1
```

**Q2. for loop statement is terminated by symbol \_\_\_\_\_**

**Q3. What is the difference between break and continue statements?**

**Q4. Convert the following loop into for loop :**

```
x = 4  
while(x<=8):  
    print(x*10)  
    x+=2
```

**Q5. Write the output of the following:**

```
for k in range(10,20,4):  
    print(k)
```

**Q6. Find errors in the following code:**

```
x = input("Enter value")  
for k in range[0,20]  
    if x=k  
        print(x+k)  
    else:  
        Print(x-k)
```

**Q7. Write the output of the following:**

```
x=3  
if x>2 or x<5 and x==6:  
    print("Bye")  
else:  
    print("Thankyou")
```

**Q8. Write the output of the following:**

```
x,y=2,4
if(x+y==10):
    print("Thankyou")
else:
    print("Bye")
```

**Q9. Write the output of the following:**

```
x=10
y=1
while x>y:
    x=x-4
    y=y+3
    print(x)
```

**Q10. Write the output of the following:**

```
for x in range(3):
    for y in range(2):
        print("Practice Questions of loops in python")
    print()
```