Worksheet

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LOOPING IN PYTHON

1. **Write short notes on the following:**

(a) Looping Statements   (b) Nested Loop

(c) while loop   (d) for loop

2. **Draw the flow diagram for the following:**

(a) while loop   (b) for loop

3. **Write a Python program to:**

(a) display sum of first 10 natural numbers.

(b) find factorial of 5.

(c) find the sum of all the even numbers between 51 to 100.

4. **Answer the following questions:**

(a) What are the components of a loop?

(b) What is the difference between for loop and while loop?

(c) What is the difference between break and continue statements?

5. **Find the error in the following code and rewrite it correctly:**

```
i = 4
while(i > 0)
    if(i % 2 = 0)
        print ("Even")
    else
        print ("Odd")
```

6. **What will be the output of the following code:**

```
n = 5
while (n > 0):
    n -= 1
    if (n == 2):
        break
    print(n)
print('Loop ended.')
```

Grade: ⭐ ⭐ ⭐ ⭐ ⭐