XBit Labs IN - Software Training Institute

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Training Sessions

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Date	Sep-02-2024	Session No	1

Topic : Python Basics - For loop Strings

```python
main.py     +
1   a = 50
2   b = 70.85
3
4   print(a-b)
5   print(type(b))
6   print(type(a))
7
8   x = "xbitlabs.in"
9   print(type(x))
10
11  print('website = ', x)
12  |
13  #for jit in x:
14      #print(jit)
15
16  a = 50
17  b = 100
18  for number in range(a, b+1, 2):
19      print(number)
20
21  for i in range():
22      print(i)
```

Questions to try : Assignment

For Loop Questions:

1. Write a `for` loop to print the numbers from 1 to 5.
2. Use a `for` loop to print "Hello, World!" five times.
3. Write a program that uses a `for` loop to print the numbers 1 to 10 on the same line.
4. Write a `for` loop that prints the numbers 1, 2, 3, 4, and 5, but stops the loop when it reaches 3.
5. Use a `for` loop to print the first 5 multiples of 2 (i.e., 2, 4, 6, 8, 10).
6. Write a `for` loop that prints all the letters in the word "Python" one by one.
7. Create a program that uses a `for` loop to print the sum of numbers from 1 to 5.
8. Write a `for` loop to print each element of the list `['apple', 'banana', 'cherry']`.
9. Use a `for` loop to print the numbers from 10 down to 1.
10. Write a `for` loop to print only the even numbers from 1 to 10.

Basic String Questions:

1. Create a string `s = "Hello"`. Write a program to print this string.
2. Write a Python program to join two strings "Good" and "Morning" with a space in between.
3. Create a string variable `name = "John"`. Write a program to print the first letter of the name.
4. Write a program that converts the string "apple" to uppercase.
5. Create a string `s = "Python"`. Write a program to print the length of this string.
6. Write a program to combine the strings "First" and "Last" to form "FirstLast".
7. Create a string `s = "banana"`. Write a program to print the last letter of the string.
8. Write a program to check if the string "cat" is present in the string "caterpillar".
9. Create a string `s = "Hello"`. Write a program to print the string in reverse order.
10. Write a program to print each letter of the string "WORLD" on a new line.

END