

Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

2

LIST OF TASKS

TASK NO	OBJECTIVE
1	Print First 10 natural numbers using while loop in python.
2	Write a program to pick a random character from a given String using random.choice() function.
3	Find the factorial of a given number in python.
4	Write a python program to reverse a given string using slicing.
5	Write a python program that prints Fibonacci series.

Submitted On:

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(Date: DD/MM/YY)

Task# 01: - Print First 10 natural numbers using while loop in python.

Solution: -

```
i = 0
while i < 10:
    print(i,end=' ')
    i += 1
```

Output: -

0 1 2 3 4 5 6 7 8 9

Task# 02: - Write a program to pick a random character from a given String using random.choice() function.

Solution: -

```
import random
string = "My name is mustufa"
print(random.choice(string))
```

Output: -

e

Task# 03: - Find the factorial of a given number in python.

Solution: -

```
i = 10
fact = 1
while i > 1:
    fact *= i
    i -= 1
print(fact)
```

Output: -

3628800

Task# 04: - Write a python program to reverse a given string using slicing.

Solution: -

```
print("Hello World!"[::-1])
```

Output: -

!dlrow olleH

Task# 05: - Write a python program that prints Fibonacci series.

Solution: -

```
limit = 10
```

```
num1 = 1
```

```
num2 = 1
```

```
temp = 0
```

```
print(num1)
```

```
print(num2)
```

```
for i in range(3,limit + 1):
```

```
    temp = num1 + num2
```

```
    print(temp)
```

```
    num1 = num2
```

```
    num2 = temp
```

Output: -

1
1
2
3
5
8
13
21
34
55