

Python Programming
LABORATORY MANUAL
B.Tech Semester -IV
Subject Code: (KNC-402)



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Name:	KUSHAGRA JAISWAL
Roll. No.:	2000910139004
Group/Branch:	I.T-1

JSS MAHAVIDYAPEETHA
DEPARTMENT OF INFORMATION TECHNOLOGY
JSS ACADEMY OF TECHNICAL EDUCATION
C-20/1, SECTOR-62, NOIDA

1- WAP to find all Prime numbers within the given range.

PROGRAM-:

```
prime_range.py > ...
1  start=int(input("Enter starting point-:"))
2  end=int(input("Enter endind point-:"))
3
4  for num in range(start,end+1):
5      if num>1:
6          for i in range(2,num):
7              if num%i==0:
8                  break
9          else:
10             print(num)
```

OUTPUT-:

```
PS D:\Python> python -u d:\Python\prime_range.py
Enter starting point-:1
Enter endind point-:30
2
3
5
7
11
13
17
19
23
29
PS D:\Python> █
```

2- WAP to print N terms of Fibonacci series using iteration.

Program-:

```
fibonacci.py > ...
1  num = int(input("enter number of digits you want in series (minimum 2): "))
2
3  first = 0
4  second = 1
5
6  print("\n fibonacci series is:")
7  print(first, ",", second, end=", ")
8
9  for i in range(2, num):
10     next = first + second
11     print(next, end=", ")
12
13     first = second
14     second = next
```

OUTPUT-:

```
PS D:\Python> python -u "d:\Python\fibonacci.py"
enter number of digits you want in series (minimum 2): 6

fibonacci series is:
0 , 1, 1, 2, 3, 5,
PS D:\Python> █
```