



main.py

Shell



```
1 # code by Lavan
2 num = int(input("Enter a Number:"))
3
4 if (num==0):
5
6     fact = 1
7
8     fact = 1
9
10 for i in range(1, num+1):
11
12     fact=fact*i
13
14 print("Factorial of", num, "is",
        fact)
```



main.py

Shell



```
Enter a Number:3
Factorial of 3 is 6
> |
```



main.py

Shell



```
1 # code by Lavan
2 n = int(input("Enter a value of n:"
3             ))
4 s=0.0
5
6 for i in range(1, n+1):
7
8     a=float(i**i)/i
9
10    s=s+a
11
12 print("The sum of the series is", s
13       )
```



main.py

Shell



Enter a value of n:4

The sum of the series is 76.0

> |



main.py

Shell



```
1  # code by Lavan
2  def oddeven(a):
3
4  if (a%2==0):
5
6      return 1
7
8  else:
9
10     return 0
11
12 num=int(input("Enter a number:"))
13
14 if(oddeven(num)==1):
15
16     print("The given number is Even")
17
18 elif(oddeven(num)==0):
19
20     print("The given number is Odd")
```



main.py

Shell



```
Enter a number:7
The given number is Odd
> |
```



main.py

Shell



```
Enter a number:6
The given number is Even
> |
```



main.py

Shell



```
1  # code by Lavan
2  def rev(str1):
3
4      str2=''
5
6      i=len(str1)-(1)
7
8  while i>=0:
9
10     str2+=str1[i]
11     i-=1
12
13     return str2
14
15 word = input("\n Enter a String:")
16
17 print("\n The Mirror image of the
    given string is:", rev(word))
```

```
...com/science-lover/science/main/first2b.py
-2021-04-16 13:31:42-- https://raw.githubusercontent.com/science-lover/science/main/first2b.py
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 185.199.111.133, 185.199.110.133, 185.199.109.133, ...
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|185.199.111.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 212 [text/plain]
Saving to: 'first2b.py'
```

```
first2b.py    100%    212  ---KB/s    in 0s
```

```
2021-04-16 13:31:44 (1.11 MB/s) - 'first2b.py' saved [212/212]
```

```
root@localhost:~/pypr# ls
abc.db  check.py  first2b.py  scope.py  test1.py
root@localhost:~/pypr# python3 first2b.py
```

```
Enter a String:school
```

```
The Mirror image of the given string is: loohcs
```



main.py

Shell



```
1 # code by Lavan
2 num1=[]
3
4 for i in range(1,11):
5
6     num1.append(i)
7
8 print("Numbers from 1 to 10
      .....\\n", num1)
9
10 for j, i in enumerate(num1):
11
12     if(i%2==1):
13
14         del num1[j]
15
16 print("The values after removed odd
      numbers.....\\n", num1)|
```



main.py

Shell



Numbers from 1 to 10.....

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

The values after removed odd numbers

.....

[2, 4, 6, 8, 10]

> |