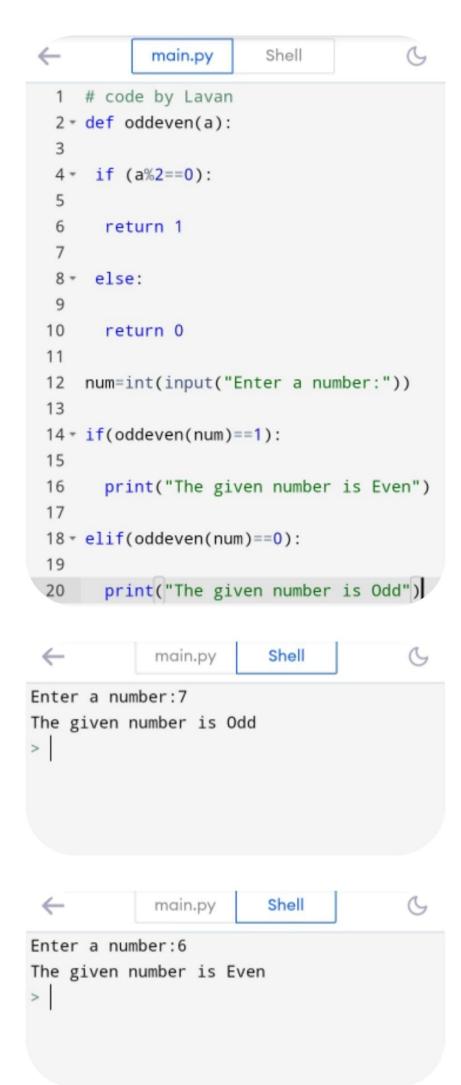
```
main.py
                         Shell
     # code by Lavan
 1
     num = int(input("Enter a Number:"))
 2
 3
 4 * if (num==0):
 5
 6
      fact = 1
 7
 8
    fact = 1
 9
10 - for i in range(1, num+1):
11
    fact=fact*i
12
13
    print("Factorial of", num, "is",
14
         fact)
\leftarrow
   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

Enter a Number:3

Factorial of 3 is 6

```
\leftarrow
              main.py
                          Shell
      # 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
     a=float(i**i)/i
   8
   9
  10 s=s+a
  11
      print("The sum of the series is", s
  12
 \leftarrow
                          Shell
             main.py
Enter a value of n:4
The sum of the series is 76.0
```



```
Shell
\leftarrow
            main.py
     # 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
```

print("\n The Mirror image of the

given string is:", rev(word))

17

```
..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.githubusercon
tent.com)... 185.199.111.133, 185.199.110.133, 185.199
.109.133, ...
Connecting to raw.githubusercontent.com (raw.githubuse
rcontent.com) | 185.199.111.133 | :443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 212 [text/plain]
Saving to: 'first2b.py'
            100% 212 --.-KB/s
first2b.py
                                         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
 be Mirror image of the given string is: loohcs
```

```
\leftarrow
                         Shell
            main.py
     # code by Lavan
 1
     num1=[]
 2
 3
 4 for i in range(1,11):
 5
     num1.append(i)
 6
 7
    print("Numbers from 1 to 10
 8
          .....\n", num1)
 9
10 - for j, i in enumerate(num1):
 11
12 - if(i\%2 == 1):
13
        del num1[j]
14
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]

>