Assignment5_1.py

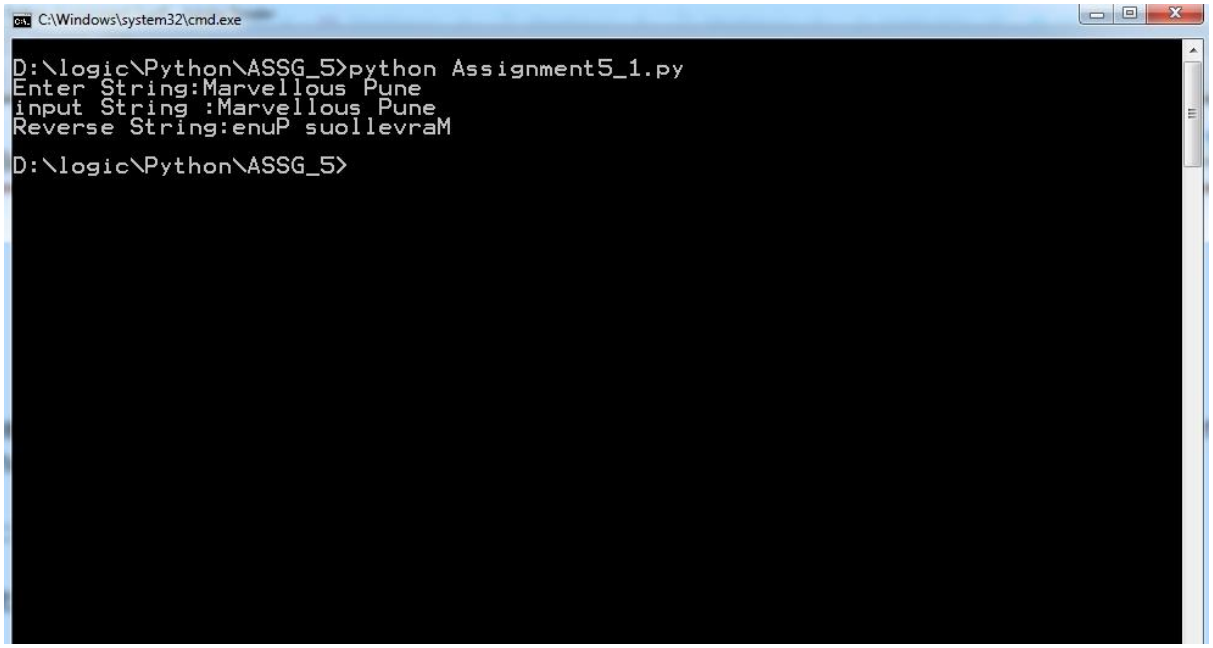
```
#1.Write a program which contains one function that accepts string from user
and return reverse
#of that string.
#Input : “Marvellous Pune”
#Output : “enuP suollevraM”

def Reverse(string):
        str=""
        for i in string:
                str =i+str
        return str


str=input("Enter String:")

print("input String :",end="")
print(str)

print("Reverse String:",end="")
print(Reverse(str))
```



Assignment5_2.py

#2.Write a program which contains one function that accepts string from user and return number

#of words from that string.

#Input : “Marvellous Infosystems by Piyush Khairnar”

#Output : 5

```
string=raw_input("Enter string:")
char=0
word=1
for i in string:
    char=char+1
    if(i==' '):
        word=word+1
print("Number of words in the string:")
print(word)
print("Number of characters in the string:")
print(char)
print("==========================================================")
```

```
print("Using split()")

test_string = "Marvellous Infosystems by Piyush Khairnar"
print ("The original string is : " +  test_string)

# using split()
# to count words in string
res = len(test_string.split())

# printing result
print ("The number of words in string are : " +  str(res))
```

Assignment5_3.py

```
#3. Write a program which contains one function that accepts string from user and print all
#permutations of that string.
#Input : XYZ
#Output : XYZ XZY YXZ YXZ ZXY ZYX

# Function to find permutations of a given string
from itertools import permutations

def allPermutations(str):

    # Get all permutations of string 'ABC'
    permList = permutations(str)

    # print all permutations
    for perm in list(permList):
        print (''.join(perm))
```

```
# Driver program
if __name__ == "__main__":
    str = input("Enter string:")
    allPermutations(str)
```

Assignment5_4.py

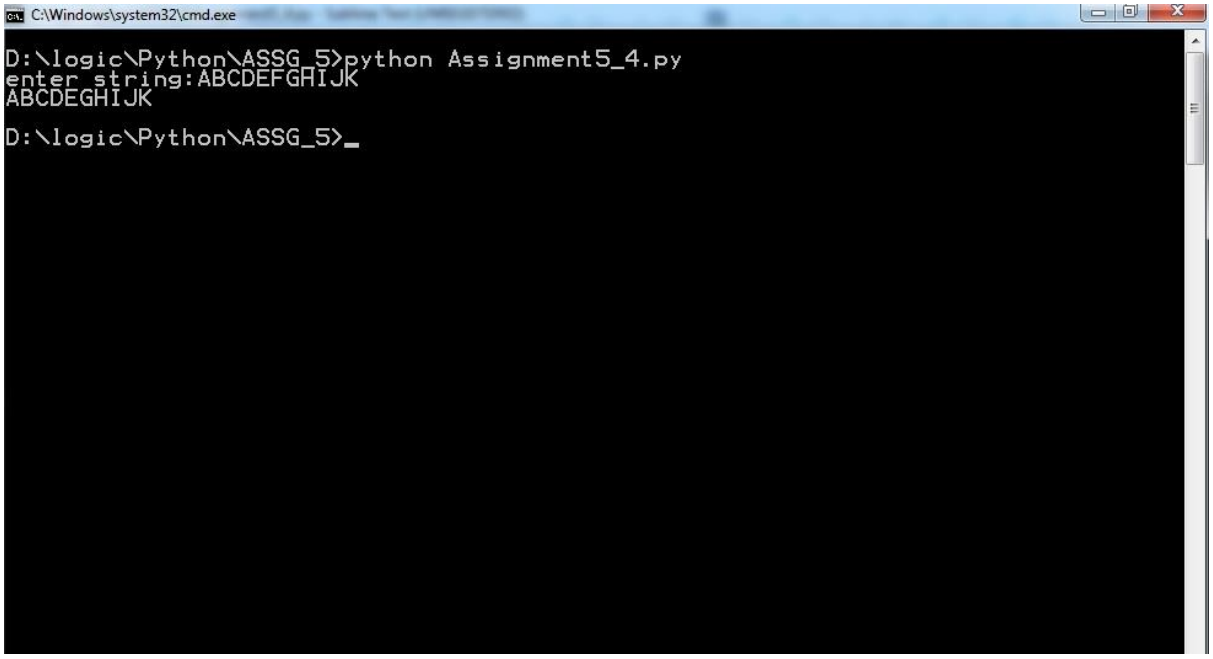
```
#4.Write a program which contains one function that accepts string and one position from user.
#Remove the character from that position.
#Input : “ABCDEFGHIJK” Position : 5
#Output : “ABCDEGHIJK”


def remove_char(str, n):
      first_part = str[:n]
      last_part = str[n+1:]
      return first_part + last_part

input_string=input("enter string:")



print(remove_char(input_string, 5))
```



Assignment5_5.py

#5. Accept string from user and return average of ascii value of characters from that string.

#Input : “ABCDE”

#Output : 67 ((65+66+67+68+69)/5)

```
# Program to find the ASCII value of the given character

# Change this value for a different result
c = input("Enter String:->>")

print("The ASCII value of '" + c + "' is",ord(c))
```