Assignment – 1

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Write a python program for the following:

– Input the string "Python" as a list of characters from console, delete at least 2 characters, reverse the resultant string and print it. Sample input:

•python

•Sample output:

•ntyp

Source Code:

```
In [1]: #question1-1
        import random
        data = input("enter data : ")

        split = random.randrange(3, len(data)-2)

        data = data.replace(data[split:],"")
        data = data[::-1]
        print(data)

        enter data : python
        typ
```

b. Take two numbers from the user and perform at least 4 arithmetic operations on them.

Source code:

```
In [2]:  #question1-2
         num1 = int(input("enter number 1 :"))
         num2 = int(input("enter number 2 :"))

         print("\n addition : ",(num1+num2))
         print("subtraction : ",(num1-num2))
         print("divison : ",(num1/num2))
         print("multiplication : ",(num1*num2))

         enter number 1 :2
         enter number 2 :3

          addition :  5
         subtraction :  -1
         divison :  0.6666666666666666
         multiplication :  6
```

Write a program that accepts a sentence and replace each occurrence of 'python' with 'pythons'.

•Sample input: I love playing with python

•Sample output: I love playing with pythons

 Source code:

```
In [4]:  #question 2
         inputValue = input("enter string :")

         inputValue = inputValue.replace("python","pythons")

         print(inputValue)

         enter string :i love playing with python
         i love playing with pythons
```

Use the if statement conditions to write a program to print the letter grade based on an input class score. Use the grading scheme we are using in this class.

Source code:

```python
#question3
marks = int(input("Enter Students score : "))

if(marks<=100 and marks>=90):
    print("Grade = A")
elif(marks<=89 and marks>=80):
    print("Grade = B")
elif(marks<=79 and marks>=70):
    print("Grade = C")
elif(marks<=69 and marks>=60):
    print("Grade = D")
elif(marks<=59 and marks>=0):
    print("Grade = F")
```

```
Enter Students score : 98
Grade = A
```