

assignment1-7007569970

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[]:

1. 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

```
[ ]: val = input()
if(len(val)>=2):
    val=val[:len(val)-2] #removing of the last two characters of the input string
    rev=val[::-1] #reversing of the string
    print(rev) #printing the output
else:
    print("Reverse is not possible") #if length of the string is less than 2
    ↪other output
```

python
htyp

- 1.B.– Take two numbers from user and perform at least 4 arithmetic operations on them.

```
[ ]: inp1=int(input()) #input1 from user
inp2=int(input()) #input2 from user
res1=inp1+inp2 #addition operation
print("add",res1)
res1=inp1-inp2 #subtraction operation
print("subtract",res1)
res1=inp1*inp2 # multiplication operation
print("multiply",res1)
res1=inp1/inp2 # division operation
print("divide",res1)
res1=inp1%inp2 #remainder operation
print('remainder',res1)
res1 = inp1**inp2 #power operation
print('power',res1)
```

1
2
add 3
subtract -1

multiply 2
divide 0.5
remainder 1
power 1

2. 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

```
[ ]: val=input() #user input
print(val.replace('python','pythons')) #using inbuilt replace keyword for
↳replacing the python with pythons
```

I love playing with python
I love playing with pythons

3. 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.

```
[ ]: val=int(input("Enter class score ")) #user input
if(val>=90): #if condition checking whether the user entered score greater than
↳or equal to 90
    print("Grade A")
if(val>=80 and val<90): #if condition checking whether the user entered score
↳greater than or equal to 80 and less than 90
    print("Grade B")
if(val>=70 and val<80): #if condition checking whether the user entered score
↳greater than or equal to 70 and less than 80
    print("Grade C")
if(val>=60 and val<70): #if condition checking whether the user entered score
↳greater than or equal to 60 and less than 70
    print("Grade D")
if(val<60): #if condition checking whether the user entered score less than 60
    print("Grade F")
```

Enter class score 90
Grade A