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Class : 2nd B.Sc Chemistry (Aided)
Topic : Function
Assignment : 6

Question No : 1 - To find max of 3 numbers

```
def maxno(a,b,c):  
    return(max(a,b,c))  
a=int(input("Enter a value, a: "))  
b=int(input("Enter a value, b: "))  
c=int(input("Enter a value, c: "))  
print("Maximum value: ",max(a,b,c))
```

```
Enter a value, a: 50  
Enter a value, b: 40  
Enter a value, c: 30  
Maximum value: 50
```

Question No : 2 - To reverse a String

```
def revstr(stra):  
    return stra[::-1]  
stra=input("Enter a string: ")  
print(stra[::-1])
```

```
Enter a string: python  
nohtyp
```

Question No : 3 - To calculate no of upper and lower cases

```
def uplow(strb):  
    return(strb)  
upper=0  
lower=0  
strb=input("Enter a String: ")  
for i in strb:  
    if(i.islower()):  
        lower += 1  
    elif(i.isupper()):  
        upper +=1  
print("Number of Upper cases in the String: ",upper)  
print("Number of lower cases in the String: ",lower)
```

```
Enter a String: PrOgRaMmInG  
Number of Upper cases in the String: 6
```

Number of lower cases in the String: 5

Question No : 4 - To take a list and return new list with unique elements of first list

```
def newlist(l):  
    x=[]  
    for a in l:  
        if a not in x:  
            x.append(a)  
    return x  
print("New list with unique elements of first list: ",newlist([1,2,3,4,6,5,7,3,7,8,3,2,4,7,]))
```

New list with unique elements of first list: [1, 2, 3, 4, 6, 5, 7, 8]

Question No : 5 - To check whether string is palindrome or not

```
def ispalindrome(strc):  
    return strc  
strc="level"  
rev=strc[::-1]  
if strc==rev:  
    print(strc,"is a palindrome")  
else:  
    print(strc,"is not a palindrome")  
  
level is a palindrome
```

