List = {11, 45, 8, 11, 23, 45, 89}  
print("Original List =", List)  
count = dict()  
for item in List:  
 if(item in count):  
 count[item] += 1  
 else:  
 count[item] = 1  
print("Printing count of each item :", count)

4.

def showEmployee(name, salary = 45000) :  
 print("employee", name, "salary is:", salary)  
showEmployee("Sreeroop", 45000)  
showEmployee("Sreeroop")

6.

def fibr(n):  
 if n <= 1:  
 return n  
 return fibr(n-1)+fibr(n-2)  
n = int(input("Enter number of terms : "))  
print("Fibonaci Sequence :")  
for i in range(n):  
 print(fibr(i))

10.

def number(n):  
 sum = 0  
 for i in range(1,n):  
 if n%i ==0:  
 sum += i  
 return sum  
n = int(input("Enter number :"))  
print(number(n))  
if n == number(n):  
 print("perfect number")  
else :  
 print("not a perfect number")

9.

def string\_test(s):  
 count = {"UPPER\_CASE" : 0, "LOWER\_CASE" : 0}  
 for case in s:  
 if case.isupper():  
 count["UPPER\_CASE"] += 1  
 elif case.islower():  
 count["LOWER\_CASE"] += 1  
 else:  
 pass  
 print("Original string : ", s)  
 print("No of Uppercase Characters :", count["UPPER\_CASE"])  
 print("No of Lowercase Characters ; ", count["LOWER\_CASE"])  
string\_test('The quick Brown Fox')