Code 1

#Task\_01  
#Code Started  
string = input ("Please Insert The Valid Integers: ")  
list = string.split (",")  
source = []  
for i in list:  
 source.append(int(i))  
k=int(input("Please Insert The Valid Shift Value: "))  
def shiftLeft(source,k):  
 n=k  
 i=0  
 j=len(source)  
 while i<j:  
 if(n<j):  
 source[i]=source[n]  
 else:  
 source[i]=0  
 i+=1  
 n+=1  
shiftLeft(source,k)  
print(source)  
#Process finished with exit code 0  
#The End

Code 2

#Task 02  
#Code Started  
string = input ("Please Insert The Valid Integers: ")  
list = string.split (",")  
source = []  
for i in list:  
 source.append(int(i))  
k=int(input("Please Insert The Rotate Value: "))  
def leftRotation(source, k):  
 b=len(source)  
 for i in range(0,k,1):  
 a=0  
 temp=source[a]  
 f=0  
 while f<=(b-1):  
 source[f]=source[f+1]  
 f+=1  
 if(f==(b-1)):  
 source[f]=temp  
 break  
leftRotation(source,k)  
print(source)  
#Process finished with exit code 0  
#The End

Code 3

#Task 03  
#Code Started  
string = input ("Please Enter Insert The Valid Integers: ")  
list = string.split (",")  
source = []  
for i in list:  
 source.append(int(i))  
size=int(input("Please Insert The Valid Size Value: "))  
idx=int(input("Please Insert The Valid Index: "))  
def remove (source,size,idx):  
 b=len(source)  
 for i in range(0,size,1):  
 if(i>=idx):  
 source[i]=source[i+1]  
 elif(i== size-1):  
 source[i]=0  
remove(source, size, idx)  
print(source)  
#Process finished with exit code 0  
#The End

Code 4

#Task 04  
#Code Started  
string = input ("Please Insert The Valid Integers: ")  
list = string.split (",")  
source = []  
for i in list:  
 source.append(int(i))  
size=int(input("Please Insert The Valid Size Value: "))  
element=int(input("Please Insert The Valid Element: "))  
def removeAll(source,size,element):  
 b=len(source)  
 for i in range(0, b, 1):  
 if(element== source[i]):  
 source[i]=0  
 removedSource=[]  
 for i in range(0,b,1):  
 if(source[i]==0):  
 continue  
 else:  
 removedSource.append(source[i])  
 for i in range(b):  
 if(i>=len(removedSource)):  
 removedSource.append(0)  
 return(removedSource)  
source=removeAll(source,size, element)  
print(source)  
#Process finished with exit code 0  
#The End

Code 5

#Task 5  
#Code Started  
string = input ("Please Insert Valid Separated Integers: ")  
list = string.split (",")  
A=[]  
for i in list:  
 A.append(int(i))  
def beam\_balance(A):  
 booleanmethod=False  
 b=len(A)  
 sum1=0  
 for i in range(0,b,1):  
 sum1+=A[i]  
 sum2=0  
 for j in range(i+1,b,1):  
 sum2+=A[j]  
 if(sum1==sum2):  
 booleanmethod=True  
 break  
 return(booleanmethod)  
print(beam\_balance(A))  
#Process finished with exit code 0  
#The End

Code 6

#Task 6  
#Code Started  
n=int(input("Please Insert The Number:"))  
def parameter(n):  
 GRP1=[]  
 GRP2=[]  
 for i in range(0,n,1):  
 GRP1.append(0)  
 for i in range(1,n+1,1):  
 for j in range(0,n,1):  
 if(j==(n-i)):  
 GRP1[n-i]=i  
 GRP2=GRP2+GRP1  
 return(GRP2)  
print(parameter(n))  
#Process finished with exit code 0  
#The End

Code 7

#Task 7  
#Code Started  
string = input ("Please Insert The Valid Integers: ")  
list = string.split (",")  
array = []  
for i in list:  
 array.append(int(i))  
def bunch(array):  
 n=len(array)  
 GRP1=[array[0]]  
 GRP2=[]  
 i=0  
 for i in range (n):  
 if i+1 < n:  
 if(array[i] == array[i+1]):  
 GRP1.append(array[i+1])  
 else:  
 GRP2.append(GRP1)  
 GRP1=[]  
 GRP1.append(array[i+1])  
 else:  
 GRP2.append(GRP1)  
 grp\_all=[]  
 f=len(GRP2)  
 for i in range(0,f,1):  
 maximum=0  
 for j in range(0,len(GRP2[i]),1):  
 maximum+=1  
 grp\_all.append(maximum)  
 num=max(grp\_all)  
 if(num==1):  
 print("There is no bunch")  
 else:  
 print(num)  
bunch(array)  
#Process finished with exit code 0  
#The End

Code 8

#Task 8  
#Code Started  
string = input("Please Insert The Valid Integers: ")  
list = string.split(",")  
array = []  
for i in list:  
 array.append(int(i))  
def repeat(array):  
 a = len(array)  
 GRP1 = []  
 GRP2 = []  
 GRP3 = []  
 maximum = 0  
 for i in range(0, a, 1):  
 if (array[i] in GRP2):  
 continue  
 else:  
 GRP1 = [array[i]]  
 maximum = 1  
 for j in range(i + 1, a, 1):  
 if GRP1[0] == array[j]:  
 GRP1.append(array[j])  
 maximum += 1  
 GRP2 = GRP2 + GRP1  
 GRP3.append(maximum)  
 GRP1 = []  
 maximum = 0  
 if (i + 1 < a):  
 GRP1 = [array[i + 1]]  
 boolean\_method = False  
 for i in range(len(GRP3)):  
 for j in range(i + 1, len(GRP3)):  
 if GRP3[i] == GRP3[j] and GRP3[i] != 1:  
 boolean\_method = True  
 print(boolean\_method)  
repeat(array)  
#Process finished with exit code 0  
#The End

Circular Array Code 9

#Circular Array  
#Task 1  
#Code Started  
string = input ("Please Insert The Valid Integers: ")  
list = string.split (",")  
array = []  
for i in list:  
 array.append(int(i))  
start=int(input("Please Insert The Index Where to start:"))  
size=int(input("Please Insert The Size:"))  
def palindrome(array,start,size):  
 b=len(array)  
 GRP1=[]  
 i=start  
 a=0  
 while a<size:  
 GRP1.append(array[i])  
 i=(i+1)%b  
 a+=1  
 GRP2=[]  
 for i in range(len(GRP1)-1,-1,-1):  
 GRP2.append(GRP1[i])  
 if(GRP1 == GRP2):  
 return(True)  
 else:  
 return(False)  
print(palindrome(array,start,size))  
#Process finished with exit code 0  
#The End

Code 2

#Circular Array  
#Task 2  
#Code Started  
string = input ("Please insert the first Valid set Integers ")  
list = string.split (",")  
integers1 = []  
for i in list:  
 integers1.append(int(i))  
start\_1=int(input("Please Insert the Valid Index to starting:"))  
size\_1=int(input("Please Insert the Valid Size:"))  
  
string2= input ("Please Insert the Valid Second set of Integers: ")  
list = string2.split (",")  
integers2 = []  
for i in list:  
 integers2.append(int(i))  
start\_2=int(input("Please Insert the Valid Index to starting:"))  
size\_2=int(input("Please Insert the Valid Size:"))  
def common(integers1,integers2,size\_1,size\_2,start\_1,start\_2):  
 b1=len(integers1)  
 grp1=[]  
 i1=start\_1  
 j1=0  
 while j1<size\_1:  
 grp1.append(integers1[i1])  
 i1=(i1+1)%b1  
 j1+=1  
  
  
 b2=len(integers2)  
 grp2=[]  
 i2=start\_2  
 j2=0  
 while j2<size\_2:  
 grp2.append(integers2[i2])  
 i2=(i2+1)%b2  
 j2+=1  
  
  
 grpx=[]  
 for element1 in grp1:  
 for element2 in grp2:  
 if element1 == element2:  
 grpx.append(element1)  
 print(grpx)  
  
common(integers1,integers2,size\_1,size\_2,start\_1,start\_2)  
#Process finished with exit code 0  
#The End