1. Python Program for n-th Fibonacci number ?

n= int(input("Enter number :"))

def Fib(n):

if n<= 0:

print("Incorrect input")

elif n == 1:

return 0

elif n == 2:

return 1

else:

return Fib(n-1)+Fib(n-2)

print(Fib(n))

1. Python Program for How to check if a given number is Fibonacci number?

n=int(input("Enter the number: "))

c=0

a=1

b=1

if n==0 or n==1:

print("Yes")

else:

while c<n:

c=a+b

b=a

a=c

if c==n:

print("Yes")

else:

print("No")

1. Program to print ASCII Value of a character

Char = input("Please enter a character: ")

print ("The ASCII value of '" + Char + "' is ", ord(Char))

1. Python Program for Sum of squares of first n natural numbers

n = int(input("Enter value of N: "))

sum = 0

for i in range(1, n+1):

sum += (i\*i)

print("Sum of squares = ", sum)

1. Python Program for cube sum of first n natural numbers

n = int(input("Enter value of N: "))

sum = 0

for i in range(1, n+1):

sum += (i\*i\*i)

print("Sum of cubes = ", sum)

1. import array as arr

a = arr.array('i',[15, 25, 35, 45])

print ('Sum of the array is ', sum(a) )

1. arr = [10,15,20,25,30,35];

max = arr[0];

for i in range(0, len(arr)):

if(arr[i] > max):

max = arr[i];

print("Largest element in given array = " + str(max));

1. arr = [1, 2, 3, 4, 5];

n = 3;

print("Original array: ");

for i in range(0, len(arr)):

print(arr[i]),

for i in range(0, n):

first = arr[0];

for j in range(0, len(arr)-1):

arr[j] = arr[j+1];

arr[len(arr)-1] = first;

print();

print("Array after rotation: ");

for i in range(0, len(arr)):

print(arr[i])

1. def rversearray(arr, start, end):

while (start < end):

temp = arr[start]

arr[start] = arr[end]

arr[end] = temp

start += 1

end = end-1

def leftrotate(arr, d):

n = len(arr)

rverseArray(arr, 0, d-1)

rverseArray(arr, d, n-1)

rverseArray(arr, 0, n-1)

def printarray(arr):

for i in range(0, len(arr)):

print (arr[i])

arr = [1, 2, 3, 4, 5, 6, 7]

leftrotate(arr, 2)

printarray(arr)

1. def SplitArray(arr, n, k):

for i in range(0, k):

x = arr[0]

for j in range(0, n-1):

arr[j] = arr[j + 1]

arr[n-1] = x

arr = [15, 40, 15, 16, 50, 36]

n = len(arr)

position = 2

SplitArray(arr, n, position)

for i in range(0, n):

print(arr[i], end = ' ')