**DAY ONE PROGRAMS:**

1. greatest of three numbers

a=int(input("enter the number a:" ))  
b=int(input("enter the value b:"))  
c=int(input("enter the number c:"))  
if(a>b)and(a>c):  
 print("a is largest")  
elif(b>c)and(c>a):  
 print("b is largest")  
else:  
 print("c is largest"

**OUTPUT:**

Enter a number a:2

Enter a number b:6

Enter a number c:9

C is greater

2. Leap year

def CheckLeap(Year):  
 if ((Year % 400 == 0) or  
 (Year % 100 != 0) and  
 (Year % 4 == 0)):  
 print("Given Year is a leap Year")  
 else:  
 print("Given Year is not a leap Year")  
Year = int(input("Enter the number: "))  
CheckLeap(Year)

output:

enter a number:2002

given year us a leap year.

3. Pascal triangle:

num =int(input("enter the rows:"))  
num=int(input("enter the row number:"))  
def solve(n):  
 for i in range(n+1):  
 for j in range(n-i):  
 print(' ', end='')  
 C = 1  
 for j in range(1, i+1):  
 print(C, ' ', sep='', end='')  
 C = C \* (i - j) // j  
 print()  
solve(num)

output:

enter the rows:2

enter the row number:3

1

1 1

1 2 1

4.prime or composite:

Code:

n=int(input("enter the number:"))  
if(n==0 or n==1):  
 print("neither a prime nor composite ")  
elif n>1:  
 for i in range (2,n):  
 if(n%i==0):  
 print(n,"is a composite number")  
 break  
 else:  
 print(n,"is a prime number")  
else:  
 print("enter the positive numbers only")

**output:**

enter the number:45

45 is a composite number

5. REVERS A STRING:

def reverse(str):  
 str = str[::-1]  
 return str  
s =” SREENADHYADAV”  
print("The reversed string is : ", reverse(s))

**OUTPUT:**

The reversed string is : VADAYHDANEERS