

**EXP NO:4A**

**DATE:7/1/23**

**SUM OF SERIES**

**SOURCE CODE:**

```
n = int (input ("Enter the range of numbers:"))  
sum=0  
i=0  
while(i<=n):  
    sum+=i  
    i+=2  
print("The sum of the series=",sum)
```

**OUTPUT:**

Enter the range of number:100

The sum of the series =2550

**EXP NO:4B**

**DATE:7/1/23**

**SUM OF SERIES**

**SOURCE CODE:**

```
n=int(input("Enter the range of number:"))
sum=0
j=1
for i in range(1,n+1):
    sum=sum+j
    j=(j*10)+1
print(sum)
```

**OUTPUT:**

Enter the range of number:5

12345

ROLL NO:22CSEB49

NAME:NITHEESHLINGAM R

**EXP NO:4C**

**DATE:7/1/23**

**DOWNWARD PATTERN OF NUMBERS**

**SOURCE CODE:**

```
n=int(input("Enter the number of rows:"))  
for i in range(1,n+1):  
    for j in range(i,n+1):  
        print(i,end="")  
    print()
```

**OUTPUT:**

Enter the number of rows:5

11111

2222

333

44

5

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**EXP NO:4D**

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**DOWNWARD PYRANMID**

**SOURCE CODE:**

```
n=int(input("Enter the number of rows:"))
space=0
for i in range(n):
    for j in range(space):
        print(" ",end="")
    space=space+1
    for k in range(n-i,0,-1):
        print("* ",end="")
    print(" ")
```

**OUTPUT:**

Enter the number of rows:5

```
* * * * *
* * * *
* * *
* *
*
```

ROLL NO:22CSEB49

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**EXP NO:4E**

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**ARMSTRONG NUMBER**

**SOURCE CODE:**

```
n=int(input("Enter a number:"))
num=n
sum=0
while(n>0):
    rem=n%10
    sum=sum+(rem**3)
    n=n//10
if(sum==num):
    print(num,"is an armsrtong number")
else:
    print(num,"is not an armsrtong number")
```

**OUTPUT:**

Enter a number:371

371 is an armsrtong number

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