Problems on Control Statements:

Group 5 & 11

sum = 25

I. Number series

```
Write a program to find the sum of series 1+3+5+7..+N.
Write a program to find the sum of series 1+2+3..+N.
Program:
n=int(input("enter the number:"))
i=1
sum=0
while(i < n+1):
  sum=sum+i
  i=i+1
print("sum","=",sum)
output:
enter the number:10
sum = 55
program:
n=int(input("enter the number:"))
i=1
sum=0
while(i < n+1):
  sum=sum+i
  i=i+2
print("sum","=",sum)
output:
enter the number:10
```

II.Number Pyramid - Alternate numbers pattern using while loop

```
Program:
n=5
x=1
for i in range(1,6):
    for j in range(i):
        print(x,end=")
        x+=2
        print()
output:
1
33
555
7777
```

III. Pyramid Pattern - Equilateral triangle pattern of star

Program:

99999

```
n=int(input("enter the n:"))
for i in range(0,n):
  for j in range(0,n-i-1):
    print(end=" ")
  for j in range(0,i+1):
    print("*",end=" ")
  print()
```

output:

enter the n:6

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