

```
n = int(input("Enter a vaule for n: "))
x = int(input("Enter a value for x: "))
def calc(x, n):
    sum = 0
    symbol = 1
    for i in range(0, n):
        y = symbol * (x**(2*i + 1))
        sum += y
        symbol *= -1
    return sum
final = calc(x, n)
print("The sum of the series is: ", final)
```

```
sum = 0
count = 0
for i in range(10):
    num = float(input("Enter number: "))
    sum += num
    count += 1
    if count > 0:
        avg = sum / count
    else:
        avg = 0
print("The average is: ", avg)
print("The sum is: ", sum)
```

```
n = int(input("Enter the integer: "))
for i in range(1, 11):
    ans = n * i
    print(n, "x", i, "=", ans)
```

```
n = int(input("Enter the number of terms: "))
i = 1
ans = 0
for i in range(1, n + 1):
    tot = 1 / i
    ans = (1/i) + ans
final = ans
print(f"1/{i} =", tot)
print("The sum is:", final)
```