Assignment - 1

Name: Emad Farooqui

Reg No: 192511019

Course Code: CSA-0829

Course Name: Python Programming

Armstrong Number:

```
num = int (input ("Enter the number :"))
Sum = 0
temp = num
while temp > 0;
      digit = temp % 10
      Sum += digit ** 3
      temp = temp // 10
if Sum == num:
   print ("Armstrong Number")
else:
   print ("Not a Armstrong Number")
```

Input:

153

Output:

Armstrong Number

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2. Sum of digits:

```
num = int (input ("Enter the no: "))
Sum = 0
temp = num
while temp > 0:
      digit = temp % 10
      Sum += digit
```

```python
    temp = temp // 10
print("Sum of Digits :", Sum)
```

Input:

1 2 3 4

Output:

10

3. Perfect Number:

```python
Num = int(input(" Please Enter any Number :"))
Sum = 0
for i in range (1, Num):
    if (Num % i == 0):
        Sum = Sum + i
if (Sum == Num):
    print("%d is a Perfect Number " % Num)
else
    print("%d is not a Perfect Number " % Num)
```

Input:

Please Enter any Number: 6

Output:

6 is a Perfect Number