

## Test Python

DATE

PAGE

Name - Saied Amran  
Batch - A13

Date: 31/05/25

- 1.) Write a program to print Sum of digits of a number:

```
n = int(input("Enter Number:"))
```

```
sum = 0
```

```
while (n > 0):
```

```
    digit = n % 10
```

```
    sum += digit
```

```
    n //= 10
```

```
print(f"Sum of digits is: {sum}")
```

- 2.) Write a program to Count the total number of vowels from a String of numbers.

```
String = input("Enter String: ")
```

```
Count = 0
```

```
Vowel = "aeiou AEIOU"
```

```
for i in String:
```

```
    if i in Vowel:
```

```
        Count += 1
```

```
print("Number of vowels are:", Count)
```

Q-3.) Write a Python Program to check whether the given string is symmetrical.

```
S = input("Enter string: ")
```

```
mid = S // 2
```

```
if (S[:mid] == S[-mid:]):
```

```
    print("Symmetric")
```

```
else:
```

```
    print("Not Symmetric")
```

Q-4.) Write a program to check whether any number is an Armstrong

```
num = int(input("Enter number: "))
```

```
original = num
```

```
Sum = 0
```

```
length = len(str(num))
```



```
while (num > 0):
```

```
    digit = num % 10
```

```
    sum += digit ** length
```

```
    num //= 10
```

```
if (sum == original):
```

```
    print("Armstrong")
```

```
else:
```

```
    print("Not Armstrong")
```

```
0-5.) *
```

```
  **
```

```
 * * *
```

```
 * * * *
```

```
 * * *
```

```
 * *
```

```
 *
```

```
for i in range(1, 5):
```

```
    for j in range(1, i+1):
```

```
        print("*", end="")
```

```
    print()
```

```
for i in range(1, 5):
```

```
    for j in range(i, 4):
```

```
        print("x", end=".")
```

```
    print()
```