

# **PROGRAM 1**

## **SOURCE CODE**

```
# take inputs
num1 = float(input('Enter first number: '))
num2 = float(input('Enter second number: '))
num3 = float(input('Enter third number: '))

# calculate average
avg = (num1 + num2 + num3)/3

# display result
print('The average of numbers = %0.2f %avg')
```

## **OUTPUT**

```
Enter first number: 10
Enter second number: 2
Enter third number: 30
The average of numbers = 14.00
```

## **SOURCE CODE**

```
from collections import Counter
value = input("Enter a value : ")

if value == value[::-1]:
    print("Palindrome")
else:
    print("Not Palindrome")

counted_dict = Counter(value)
for key in sorted(counted_dict.keys()):
    print(f'{key} appears {counted_dict[key]} times');
```

## **OUTPUT**

```
Enter a value : 11
Palindrome
1 appears 2 times
```

```
Enter a value : 123332
Not Palindrome
1 appears 1 times
2 appears 2 times
3 appears 3 times
```