PROGRAM 1

a) Write a python program to find the best of two test average marks out of three test's marks accepted from the user.

SOURCE CODE

```python
# Python program to find average of three numbers

# take inputs
num1 = 3
num2 = 5
num3 = 14

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

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

OUTPUT

The average of three number is 7.33

b) Develop a Python program to check whether a given number is palindrome or not and also count the number of occurrences of each digit in the input number.

SOURCE CODE

```python
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