11) Write a python program to find the factorial of a number.

```python
In [4]: num = int(input("Enter a number: "))
        factorial = 1
        if num < 0:
            print(" Factorial does not exist for negative numbers")
        elif num == 0:
            print("The factorial of 0 is 1")
        else:
            for i in range(1,num + 1):
                factorial = factorial*i
            print("The factorial of",num,"is",factorial)
```

```
Enter a number: 10
The factorial of 10 is 3628800
```

12. Write a python program to find whether a number is prime or composite.

```python
In [8]: val= int(input("Enter any number:"))
        if(n ==0 or n == 1):
            print(n,"Number is neither prime nor composite")
        elif n>1 :
            for i in range(2,n):
                if(n%i == 0):
                    print(n,"is not prime but composite number")
                    break
            else:
                print(n,"number is prime but not composite number")
        else :
            print("Please enter positive number only ")
```

```
Enter any number:10
1 Number is neither prime nor composite
```

13.Write a python program to check whether a given string is palindrome or not.

```python
In [16]: stng = input("Please enter your own text : ")

         if(stng == stng[:: - 1]):
             print("This is a Palindrome String")
         else:
             print("This is Not")
```

```
Please enter your own text : vvv
This is a Palindrome String
```

14. Write a Python program to get the third side of right-angled triangle from two given sides.

```python
In [ ]:
```

15. Write a python program to print the frequency of each of the characters present in a given string.

In [17]:
```python
str = input ("Enter the string: ")
d = dict()
for c in str:
    if c in d:
        d[c] = d[c] + 1
    else:
        d[c] = 1
print(d)
```

```
Enter the string: vandan
{'v': 1, 'a': 2, 'n': 2, 'd': 1}
```