Python programming questions.

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

In [ ]:

In [3]:
```python
numb = int(input("Enter a number: "))
factorial = 1
for i in range(1,numb + 1):
        factorial = factorial*i
print("The factorial of",numb,"is",factorial)
```

```
Enter a number: 5
The factorial of 5 is 120
```

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

In [5]:
```python
n= 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 a composite number")
            break
    else:
        print(n," is a prime number")
```

```
Enter any number:6
6 is a composite number
```

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

In [7]:
```python
my_string=input("Enter a string:")
if(my_string==my_string[::-1]):
    print("The string is a palindrome")
else:
    print("The string isn't a palindrome")
```

```
Enter a string:madam
The string is a palindrome
```

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

In [8]:
```python
from math import sqrt
print("Input lengths of two given triangle sides:")
a = float(input("a: "))
b = float(input("b: "))
c = sqrt(a**2 + b**2)
print("The length of the hypotenuse is:", c )
```

```
Input lengths of two given triangle sides:
a: 5
b: 5
The length of the hypotenuse is: 7.0710678118654755
```

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

given string.

In [9]:
```python
string=input("Enter the string: ")
char=input("Please enter the char to find frequency of the character\n")
count=0
for i in range(len(string)):
    if(string[i]==char):
        count=count+1
print("The frequency of the ",char,"in the string is: ",count)
```

```
Enter the string: you should love me
Please enter the char to find frequency of the character
o
The frequency of the  o in the string is:  3
```

In [ ]: