In [19]:
```
#Q.1)remainder division Answer is use "%"
```

In [10]:
```
x=6
```

In [11]:
```
y=3
```

In [18]:
```
print(x%y)
```

```
0
```

In [15]:
```
a=7
```

In [16]:
```
b=2
```

In [17]:
```
print(a%b)
```

```
1
```

In [30]:
```
#Q.2)python 2//3 is equal to Answer is 0  ,'//' Floor division (returns real valu
```

In [21]:
```
a=8
```

In [22]:
```
b=4
```

In [23]:
```
a//b
```

Out[23]:
```
2
```

In [27]:
```
a=2
```

In [28]:
```
b=3
```

In [29]:
```
a//b
```

Out[29]:
```
0
```

In [34]:
```
#Q.3) In python ,6<<2 is equal to?= Answer is 24
```

In [32]:
```
6<<2
```

Out[32]:
```
24
```

In [35]:
```
#Q.4) In python 6&2 output is=2
```

In [36]:
```
6&2
```

Out[36]: 2

In [37]:
```
#Q.5)In python 6|2 output is =
```

In [38]:
```
6|2
```

Out[38]: 6

In [39]:
```
#Q.6)Finally  keyword denotes in python? Answer =C
#The finally block will be executed no matter if the try block raise an error or
```

In [41]:
```
#Q.7)What does raise keyword is used for in python Answer is =A
#Answer=It is used to raise an exception
```

In [42]:
```
#Q.8)is common use case of yield keyword in python,Answer=C
#in defining a generator
```

In [43]:
```
#Q.9)Which of the following are the vaild varible names?
#Answer:-A)_abc,B)1abc,c)abc2
```

In [44]:
```
#Q.10)which of the following are the keyword in python?
#Answer:-A)yield B)Raise
```

In [47]:
```
#Factorial number
fact=1
i=int(input("Enter the number:"))
while i>0:
    fact=fact*i
    i=i-1
print("the factorial of ",i,"is",fact)
```

```
Enter the number:5
the factorial of  0 is 120
```

In [49]:
```
##prime number or composte number
k=int(input("Enter value"))
if k%2==0:
    print("value of k is",k,"prime number")
else:
    print("value of k is",k,"composite number")
```

```
Enter value7
value of k is 7 composite number
```

In [51]:
```
#string is palindrome or not
a=input("Enter value")
b=a[-1::-1]
if(a==b):
    print("palindrome")
else:
    print("not palindrome")
```

```
Enter valuemadam
palindrome
```

In [52]:
```
#string is palindrome or not
a=input("Enter value")
b=a[-1::-1]
if(a==b):
    print("palindrome")
else:
    print("not palindrome")
```

```
Enter valueRAM
not palindrome
```

In [57]:
```
#Write a Python program to get the third side of right-angled triangle from two g
base=10
height=15
b=(base*height)/2

print("Right angle triangle is",b)
```

```
Right angle triangle is 75.0
```

In [1]:
```
#Write a python program to print the frequency of each of the characters present
str1=input("Enter string:")
d=dict()
for i in str1:
    if i  in d:
            d[i]=d[i]+1
    else:
        d[i]=1

print(d)
```

```
Enter string:vvbvbbvbbdjdjnjsdbj
{'v': 4, 'b': 6, 'd': 3, 'j': 4, 'n': 1, 's': 1}
```

In [ ]:
```

```