In [3]:

```
#Write a program to determine two numbers are eqaul or greater.Accept the

num1 = int(input("Enter the first number:"))
num2 = int(input("Enter the second number:"))

if num1 == num2 :
    print("Both numbers are equal")
elif num1 > num2 :
    print(num1,"is greater than",num2)
else :
    print(num2,"is greater than",num1)

```

```
Enter the first number:67
Enter the second number:67
Both numbers are equal
```

In [36]:

```
#Write a program to calculate the student's score.
"""
90-100 --- A
80-89 --- B
70-79 ---C
60-69 ---D
0-59 ---E

sub -> maths, bio,phys,chem,english
"""
print("*****Enter the marks of subject out of 100*****")
maths = float(input("Enter the maths score :"))
bio = float(input("Enter the bio score :"))
phys = float(input("Enter the phys score :"))
chem = float(input("Enter the chem score :"))
english = float(input("Enter the english score :"))

Sum = maths + bio + phys + chem + english

per = (Sum/500)*100
print("Percentage is: ", per)
if per > 90 and per < 100:
    print("Your grade is A")
elif per > 80 and per < 89:
    print("Your grade is B")
elif per > 70 and per < 79:
    print("Your grade is C")
elif per > 60 and per < 69:
    print("Your grade is D")
elif per > 0 and per < 59:
    print("Your grade is E")


```

```
*****Enter the marks of subject out of 100*****
Enter the maths score :67
Enter the bio score :56
Enter the phys score :89
Enter the chem score :89
Enter the english score :67
Percentage is:  73.6
Your grade is C
```

In [39]:
```
#Calculate the Body mass index(BMI) of a person, take weight in kilograms

weight = float(input("Enter the weight in kilograms : "))
height = float(input("Enter the height in meters : "))

BMI = weight / (height*height)

print("Weight is: ",weight)

print("Height is: ",height)

print("Your BMI is :",BMI)
```

```
Enter the weight in kilograms : 51
Enter the height in meters : 169
Weight is:  51.0
Height is:  169.0
Your BMI is : 0.0017856517628934562
```

In [41]:
```
#Write a program to take the age of a person.And classifies them into foll
"""
0-12 -- child
13-19 --Teenager
20-64 --Adult
65-above --Senior Citizen
"""

age = int(input("Please Enter Your Age : "))

print("Age is",age)

if age > 0 and age < 12:
    print("You are Child")
elif age > 13 and age < 19:
    print("You are Teenager")
elif age > 20 and age < 64:
    print("You are Adult")
else:
    print("You are Senior Citizen")
```

```
Please Enter Your Age : 24
Age is 24
You are Adult
```

In [44]:
```
"""

A = Total amount after the given time period

P = Principal amount or the initial loan amount

R = Rate of interest (in percentage)

T = Time (in years)
"""
print("***Simple Interest Calculation***")
P = float(input("Enter the amount : "))
R = float(input("Enter the rate of interest : "))
T = int(input("Enter the time period : "))

cal = P*T*R
SI = cal/100

print("The Simple Interest is :",SI)
```

```
***Simple Interest Calculation***
Enter the amount : 12000
Enter the rate of interest : 12
Enter the time period : 3
The Simple Interest is : 4320.0
```

In [46]:
```
price = float(input("Enter the original price :"))

discount = float(input("Enter the dicount rate in percentage : "))

s = price * discount

a = s/100

final = price - a

print("Your discounted price is: ",final)

```

```
Enter the original price :1200
Enter the dicount rate in percentage : 12
Your discounted price is:  1056.0
```

In [50]:

```
#WAP to accept three side from user nd find whether they form valid triang

"""
a < b+c
b < a+c
c < a+b
"""

a =int(input("Enter the first side: "))
b =int(input("Enter the second side: "))
c =int(input("Enter the third side: "))

p = a + b
q = b + c
r = a + c

if a < q and b < r and c < p :
    print("It can form valid triangle")
else:
    print("It cannot form valid triangle")
```

```
Enter the first side: 12
Enter the second side: 12
Enter the third side: 12
It can form valid triangle
```

In [ ]:

```

```