task-1

In [1]:
```
#Store your Bio data (Name, roll number, age, date of birth and Gender) in the

name = 'faiz raza'
roll_number = 20
age = 21
date_of_birth = '6-12-2001'
```

task-2

In [4]:
```
#Write a program to convert $ dollar into Pakistani Rupees.

dollor = float(input("enter dollor ammount: "))

def conv (dollor):
    pkr = dollor*173.50
    print(pkr)
conv(dollor)
```

```
enter dollor ammount: 2
347.0
```

task-3

In [11]:
```
print("**********************")
print("*                    *")
print("*                    *")
print("*                    *")
print("*                    *")
print("**********************")
```

```
**********************
*                    *
*                    *
*                    *
*                    *
**********************
```

task-4

In [12]:
```
#Make a calculator Which will base on your result scenario.

print("welcome to the faizi calculator")

def add(x,y):
    print(x+y)

def sub(x,y):
    print(x-y)

def mul(x,y):
    print(x*y)

def div(x,y):
    print(x/y)

print("for add, type 1")
print("for sub, type 2")
print("for mul, type 3")
print("for div, type 4")

choice = int(input("selector operatio 1-4: "))

x = int(input("enter num1: "))
y = int(input("enter num1: "))


if choice == 1:
    add(x,y)
elif choice == 2:
    sub(x,y)
elif choice == 3:
    mul(x,y)
elif choice == 4:
    if x !=0:
        div(x,y)
    else:
        print("error")
else:
    print("invalid choice")
```

```
welcome to the faizi calculator
for add, type 1
for sub, type 2
for mul, type 3
for div, type 4
selector operatio 1-4: 2
enter num1: 2
enter num1: 2
0
```

task-5

In [16]:
```
#Make a calculator Which will base on your result scenario.

print("welcome to the faizi calculator")

def div(x,y):
    print(int(x/y))

x = int(input("enter num1: "))
y = int(input("enter num1: "))


if x !=0:
    div(x,y)
else:
    print("error")
```

```
welcome to the faizi calculator
enter num1: 2
enter num1: 1
2
```

task-6

In [19]:
```
C = float(input("enter: "))
def Fe (C):
    F = (C * 9/5) + 32
    print(F)

Fe(C)
```

```
enter: 23.3
73.94
```

task-7

In [23]:
```
x1 = 5
x2 = 10
y1 = 3
y2 = 5

slo = (y2-y1)/(x2-x1)
slo
```

Out[23]:
```
0.4
```

task-8

In [24]:
```
feet = float(input("Enter your height in feet: "))
cm = float(input("Enter your height in centimeters: "))

inches = feet * 12
cm_to_meters = cm / 100

height_meters = (inches + cm_to_meters) * 0.0254

print("Your height in meters:", height_meters)
```

```
Enter your height in feet: 5
Enter your height in centimeters: 4
Your height in meters: 1.525016
```

task-9

In [25]:
```
subjects = ["Mathematics", "Physics", "Chemistry", "English", "Computer Science
marks = []
total_marks = 0

# Input marks for each subject
for subject in subjects:
    subject_marks = float(input("Enter marks for {}: ".format(subject)))
    marks.append(subject_marks)
    total_marks += subject_marks

# Calculate and display subject-wise percentages
print("Subject-wise percentages:")
for i in range(len(subjects)):
    subject_percentage = (marks[i] / 100) * 100
    print("{}: {}%".format(subjects[i], subject_percentage))

# Calculate and display total marks and overall percentage
overall_percentage = (total_marks / (100 * len(subjects))) * 100
print("\nTotal marks:", total_marks)
print("Overall percentage: {}%".format(overall_percentage))
```

```
Enter marks for Mathematics: 40
Enter marks for Physics: 32
Enter marks for Chemistry: 43
Enter marks for English: 23
Enter marks for Computer Science: 4
Subject-wise percentages:
Mathematics: 40.0%
Physics: 32.0%
Chemistry: 43.0%
English: 23.0%
Computer Science: 4.0%

Total marks: 142.0
Overall percentage: 28.4%
```