

Task 1

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

```
Name = input("Your Name : ")
rollNo = input("Your Roll Number : ")
DateofBirth = input("Your date of birth : ")
age = int(input("Your age : "))
gender = input(" your gender : ")
```

Task 2

In [*]: *#Task 2: Write a program to convert \$ dollar into Pakistani Rupees.*

```
def convert(pkr):
    dollar = pkr * 0.0035
    print(f"The converted Pkr to Dollar is {dollar}")
    return dollar

pkr = int(input("Pkr amount to be converted : "))
convert(pkr)
```

Task 3

```
In [*]: #Take two number from user and then Calculate
        #these manipulations sum, subtract, multiple and division

        # Take input from the user
        num1 = float(input("Enter the first number: "))
        num2 = float(input("Enter the second number: "))

        # Perform the mathematical operations
        sum_result = num1 + num2
        sub_result = num1 - num2
        mul_result = num1 * num2
        div_result = num1 / num2

        # Print the results
        print("Sum:", sum_result)
        print("Difference:", sub_result)
        print("Product:", mul_result)
        print("Division:", div_result)
```

Task 4

```
In [*]: #Task4: Please draw these diagrams.
#*****
#*                *
#*                *
#*                *
#*                *
#*****

def diagram():
    width = 23
    print('*' * width)
    for _ in range(height):
        print('*' + ' ' * width + '*')
    print('*' * width)
diagram()
```

Task 5

```
In [*]: #Task 5: take two number from user and divide them and display
#them without floating point.

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

# division
result = num1 // num2

# Print the result
print("Result:", result)
```

Task 6

```
In [ ]: #Task 6: Take the value from user in Celsius and covert into
#Fahrenheit.
celsius = float(input("Enter the temperature in Celsius: "))

# Celsius to Fahrenheit
fahrenheit = (celsius * 9/5) + 32

# Print the converted temperature
print("Fahrenheit:", fahrenheit)
```

Task 7

```
In [ ]: #Task 7: find the slope x1=5, x2=10 Where y1=3, y2=5 , b will be
#enter from user (m=y2-y1/x2-x1)

b = float(input("Enter the value of b (y-intercept): "))

x1 = 5
x2 = 10
y1 = 3
y2 = 5

#slope (m)
m = (y2 - y1) / (x2 - x1)

# Print the slope (m)
print("Slope (m):", m)
```

Task 8

```
In [ ]: #Task 8: Enter your height in feet  
#and centimetres then system will display in meters  
  
height_feet = float(input("Enter your height in feet: "))  
  
height_cm = float(input("Enter your height in centimeters: "))  
  
height_meters = height_feet * 0.3048  
print('from feet to meter' , height_meters)  
  
height_centimeter = height_cm / 100  
print("from centimeter to meter: ",height_centimeter)
```

Task 9

```
In [*]: subject1_marks = float(input("Enter marks for subject 1: "))
subject2_marks = float(input("Enter marks for subject 2: "))
subject3_marks = float(input("Enter marks for subject 3: "))

# Calculate total marks
total_marks = subject1_marks + subject2_marks + subject3_marks

percentage = (total_marks / (3 * 100)) * 100

subject1_percentage = (subject1_marks / 100) * 100
subject2_percentage = (subject2_marks / 100) * 100
subject3_percentage = (subject3_marks / 100) * 100

print("Total Marks: ", total_marks)
print("Overall Percentage: ", percentage)

print("Subject 1 Percentage: ", subject1_percentage)
print("Subject 2 Percentage: ", subject2_percentage)
print("Subject 3 Percentage: ", subject3_percentage)
```

```
In [ ]:
```