# Assignment : 1

Write the python script and save & run them separately.

1. Develop a basic calculator program that takes two numbers and an operator (+, -, *, /) as input and performs the corresponding operation.
2. Write a function that takes a base and an exponent as input and calculates the result of the base raised to the power of the exponent.
3. Implement a program that converts temperature from Celsius to Fahrenheit. Take Celsius as input and output the corresponding Fahrenheit temperature.
4. Create a program that takes the original price and discount percentage as input and calculates the final discounted price.
5. Write a script that takes the distance and time as input and calculates the speed. Output the result in km/h.
6. Develop a program that takes the radius and height of a cylinder as input and calculates its volume.
7. Write a Python script that takes three numbers as input and calculates their average.
8. Implement a program that takes a number as input and calculates its square root.
9. Write a program that takes the length and width of a rectangle as input and calculates its perimeter.
10. Create a script that converts a given number of days into months and days. For example, input: 75 days, output: 2 months and 15 days.
11. Write a script that takes the principal amount, interest rate, and time (in years) as input and calculates the simple interest.
12. Create a program that takes the radius of a circle as input and calculates its circumference.
13. Develop a script that converts a given amount in dollars into euros. Assume a fixed exchange rate.

Hint: Take values in variables like **Celsius_tem = 45,** and apply formula to calculate Fahrenheit temperature.

**Deadline for submission : 7th Feb 2024**