Week 2: C Programming Practical Problems

1. Write a C program to input a string from the user and print it on screen.

2. Input deposit, rate and time and then calculate interest.

3. Input radius of a sphere and calculate the volume of the sphere.

4. Write a **while loop** and print the positive even numbers `from` 2 to 100. Then write a **for loop** to print the positive odd numbers `from` 1 to 99.

5. Write a C program to print an integer, its square and cube in a line, starting from 1 to number n which is input from the user.

6. Declare an integer array with the length of 8. Read 8 integers from user, store them into the array, and determine whether each number is even or odd, and then print the result with the printf() function. Please use loop in the program.

7. Declare an array with the length of N. Read N numbers from user, store them into the array, and calculate the variance. (You can use symbolic constant to give N, or use scanf() function to input N.)

8. sizeof operator is used to calculate the size of data type or variables. Use this operator to show the size of an integer *100*, a character *c*, and a value *100.101*.