

**University of Moratuwa**  
**Faculty of Information Technology**

**BSc (Hons) in Information Technology**  
**BSc (Hons) in Artificial Intelligence**  
**Level 1 Semester 1**  
**Practice Questions**



**IN 1101 Programming Fundamentals**

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Use C functions to solve following questions.

1. Write a program to check whether a accepted number is odd or even.
2. Write a program to calculate the area and perimeter of a rectangle.
3. Write a program in C to find the square of any number using the function.
4. Write a program in C to swap two numbers using function.
5. Write a program in C to check whether a number is a prime number or not using the function.
6. Write a C programming to find out maximum and minimum of two values accepted from keyboard.
7. The distance between two cities (in km.) is input through the keyboard. Write a program to convert and print this distance in meters, feet, inches and centimeters.
8. If the marks obtained by a student in five different subjects are input through the keyboard, write a program to find out the aggregate marks and percentage marks obtained by the student. Assume that the maximum marks that can be obtained by a student in each subject is 100.
9. Temperature of a city in Fahrenheit degrees is input through the keyboard. Write a program to convert this temperature into Centigrade degrees.
10. The length and breadth of a rectangle and radius of a circle are input through the keyboard. Write a program to calculate the area and perimeter of the rectangle, and the area and circumference of the circle.