

LAB 02: EXERCISE

(Section 1)

Total = 100 marks

Task 1:

[20 marks]

Write a C++ program which prints the following information on the screen:

Your favorite food (at least 2 dishes)

1. Dish 1
2. Dish 2

Your favorite books (at least 2 books)

1. Book 1
2. Book 2

Your favorite movies (at least 2 movies)

1. Movie 1
 2. Movie 2
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Task 3:

[25 marks]

Write a program which prints the squares of first 10 odd numbers on the screen. The output format should be similar to this:

Square of 1 = 1

Square of 3 = 9

Square of 5 = 25

and so on.

Task 4:**[25 marks]**

Write a program that prints the letters of your name in large size, such as:

```

*   *
*   *
*****
*   *
*   *

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*   *
*   *
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*   *

*****
*   *
*****
*   *
*   *

*****
*   *
*****
*   *
*   *

*   *
*   *
  **
  *
  *
```

Task 4:**[30 marks]**

Write a program that asks the user for the lengths of the sides of a rectangle and then prints

- The area and perimeter of the rectangle
- The length of the diagonal (use the Pythagorean theorem)