Introduction to C Programming

Module 2.5: Practice Day 01

Topics:

1. Input Output
2. Data Types
3. If Else
4. If Else Ladder
5. Nested If Else

Practice Problem 1

You need to print the lines given below in the same format as it is -

“Recently I heard that you’ve achieved 95% marks in your exam.
This is brilliant!
I wish you’ll shine in your life! Good luck with all the barriers(/\) in your life.”

Sample Input	Sample Output
There is no input	Recently I heard that you’ve achieved 95% marks in your exam. This is brilliant! I wish you’ll shine in your life! Good luck with all the barriers(/\) in your life.

Practice Problem 2

You need to take two integer values as input and show the summation, subtraction, multiplication and division in the given format below.

For example:
Inputs are 5 and 2
Then you'll give output as:
5 + 2 = 7
5 - 2 = 3
5 * 2 = 10
5 / 2 = 2.50

Sample Input	Sample Output
5 2	5 + 2 = 7 5 - 2 = 3 5 * 2 = 10 5 / 2 = 2.50
10 3	10 + 3 = 13 10 - 3 = 7 10 * 3 = 30 10 / 3 = 3.33

Practice Problem 3

You need to take one non-negative integer (0 or greater than 0) value as input and tell if it is **even** or **odd**.
See the sample input and output for more clarification.

Sample Input	Sample Output
10	even
3	odd

Practice Problem 4

You need to take one integer value as input and tell if the value is **positive** or **negative** or **zero**.
See the sample input and output for more clarification.

Sample Input	Sample Output
10	positive
-50	negative
0	zero

Practice Problem 5

Suppose your friend has told you that she will buy a **Gucci Bag** if she has 10 thousand taka or more. Otherwise if she has 5 thousand taka or more, she will buy a **Levis Bag**. Otherwise she will buy **Something** from New Market. She also told you that, if she could buy the Gucci bag and she has more than 20 thousand taka she will also buy a **Gucci Belt**.

Now, if you know the amount of money she has, can you tell which item/items she will buy?
See the sample input and output for more clarification.

Sample Input	Sample Output
20000	Gucci Bag
6500	Levis Bag
200	Something
25400	Gucci Bag Gucci Belt