

Lab 1: Basic Input/Output Operations in C

Objective:

The objective of this lab is to familiarize you with basic input and output operations in C.

Instructions: You will write a simple program that asks the user for their age, height, and grade, and then displays the entered values back to the user.

Goals:

By the end of this lab, you should be able to:

1. Use the ***scanf*** function to collect input from the user.
2. Use the ***printf*** function to display output to the user.
3. Understand how to format input and output for different data types (*e.g., int, float, char*).
4. Write a complete C program that interacts with the user via the terminal.

Sample Output:

When your program is executed, the output should look something like this:

Enter your age: 25

Enter your height: 5.8

Enter your grade: A

You entered - Age: 25, Height: 5.8, Grade: A

```
Enter your age: 25
Enter your height: 5.8
Enter your grade: A
```

```
You entered - Age: 25, Height: 5.8, Grade: A
```

Another example with different inputs:

Enter your age: 19

Enter your height: 6.1

Enter your grade: B

You entered - Age: 19, Height: 6.1, Grade: B

```
Enter your age: 19
Enter your height: 6.1
Enter your grade: B
```

```
You entered - Age: 19, Height: 6.1, Grade: B
```

Grading Criteria:

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1. Program executes and achieves desired output: 100 points
2. Calculation errors: -5 points each
3. Compilation errors: -10 to -20 points (based on severity)
4. Lack of indentation or poor formatting: -5 points
5. Input handling errors: -10 points