

CS101 (CSE) - Quiz 1 B

Sep 12, 2025

Name:

Roll Num:

Instructions: Do not cancel and rewrite your solutions; use the rough space provided for your calculations. Write the solution only after you are fully satisfied with it.

1. What does a compiler do?
 - a. Executes code line-by-line
 - b. Converts source code into machine code
 - c. Runs code in a virtual machine
 - d. Translates binary to text
2. How would you write the decimal number 5050 in hex?
 - a. 2c98
 - b. 13ba
 - c. 3232
 - d. 5a5a
3. On your lab computers, int is stored in ____ bytes
 - a. 1
 - b. 2
 - c. 4
 - d. 8
4. Circle what is wrong in the following C code

```
#include <stdio.h>
int main{ } (
    int a = 4;
    int b;
    float c = a -b;
    return 0;
)
```

5. What is the output of the following lines of code?

```
int x = 4, y = 3;  
printf("%f", (float)(x/y));
```

- a. 1
- b. 1.0000
- c. 1.3333
- d. 2

6. True or False?

- a. printf() is included in the stdio.h file.
- b. long char is a data type in C
- c. long double is a data type in C
- d. \n is a valid variable name in C
- e. main is a valid variable name in C
- f. gcc hello.out -o hello.c compiles C program written in file hello.c

Rough Space