

C Programming Assignment 1

darsh mistry

August 2025

1 Perform all four operations.

```
#include <stdio.h>

int main() {
    int a = 20;
    int b = 5;

    int sum, difference, product;
    float division;

    sum = a + b;
    difference = a - b;
    product = a * b;
    division = (float)a / b;

    printf("Addition = %d\n", sum);
    printf("Subtraction = %d\n", difference);
    printf("Multiplication = %d\n", product);
    printf("Division = %.2f\n", division);

    return 0;
}
```



The screenshot shows a C programming IDE with a code editor on the left and an output window on the right. The code in the editor is as follows:

```
main.c
1 #include <stdio.h>
2
3 int main() {
4     int a = 20;
5     int b = 4;
6     int result;
7
8     result = a / b;
9
10    printf("Division = %d", result);
11
12    return 0;
13 }
14
```

The output window on the right displays the following text:

```
Division = 5
=== Code Execution Successful ===
```

Figure 1: solution 5