

# CS 137: Assignment #1

Due on Friday, Sep 23, 2022, at 11:59 PM

Submit all programs using the Marmoset Submission and Testing Server located at  
<https://marmoset.student.cs.uwaterloo.ca/>

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## Notes:

- Use the examples to guide your formatting for your output. Remember to terminate your output with a newline character.
- Integers should be read using `scanf`.
- You are allowed to use only syntax/language features that we have covered so far
- You must NOT use MATH Library.

## Problem 1

Write a program `division.c` that reads two integers to `num` and `denom`, and prints the result of integer division (`num/denom`), rounding **away** from zero followed by `\n` character. Assume `denom` is not zero.

Sample Input #1

0 4

Sample Output #1

0

Sample Input #2

2 7

Sample Output #2

1

Sample Input #3

-4 4

Sample Output #3

-1

Sample Input #4

-618 -150

Sample Output #4

5

Sample Input #5

10 6

Sample Output #5

2

## Problem 2

Write a program `pizzas.c` that reads three non-negative integers to `num_people`, `slices_per_pizza`, and `slices_each`, and prints how many whole pizzas are required to feed `num_people` if each person eats `slices_each` slices, for the given number of `slices_per_pizza`. The printed result is followed by `\n` character.

Sample Input #1

```
1 2 3
```

Sample Output #1

```
2
```

Sample Input #2

```
2 9 0
```

Sample Output #2

```
0
```

Sample Input #3

```
1 5 1
```

Sample Output #3

```
1
```

Sample Input #4

```
1032 11 14
```

Sample Output #4

```
1314
```

Sample Input #5

```
10 10 10
```

Sample Output #5

```
10
```