

CMSC 140 common project:1

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Crn:20136

# Test Plan Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test  Case# | Input | Actual input | Expected output | Actual output | Did the test pass |
| 1 | Kidus Tilahun  2  4  5 | Kidus Tilahun  2  4  5 | Kidus Tilahun  2  24  720  17280  1036800  62208000  14  10  9  0  0.8 | Kidus Tilahun  2  24  720  17280  1036800  62208000  14  10  9  0  0.8 | Yes |
| 2 | Yared Tilahun  3  5  7 | Yared Tilahun  3  5  7 | Yared Tilahun  3  36  1080  25920  1555200  93312000  21  15  12  0  0.714286 | Yared Tilahun  3  36  1080  25920  1555200  93312000  21  15  12  0  0.714286 | Yes |

# Test case #1

# Test case #2

Lesson learned:

What did you learn?

I have learned how to use different types of data types like integer, float and double. I have also learned how to manipulate the size and character of datatypes by using pre-fixes like long and const. the other important thing I learned in this project is how to actually explain the source code more clearly using the comment function.

What did you struggle with?

One of the problems I faced when I was working with this project was not being able to display the full name the user inserts because there was a space between first name and last name, and only the first name was recorded on the undefined string variable. so, what I did to fix this problem is use getline. When I used getline(cin,name); instead of cin>>name; I was able to record and display the first and last name of the user.

What would you do differently for the next project?

One of the things I would probably change or improve is the way I organize the code lines and comments. I would like to make my source code significantly more understandable so that people can clearly understand what I am doing. I would also like to make the variables and operations clearer and more understandable.