Pair Programming 2 Tests

# Instructions

* **Always use the pair programming tests to ensure your program works properly.**
* **Take a screen shot with a white background of each execution in the tests.**
* **Only share with your partner work that you did together.**

2a. (1 point) Execute your program and compare its output to the Expected Output column.

|  |  |
| --- | --- |
| **Input** | **Expected Output** |
| There is no user input. Verify output formatted as shown in the Expected Output column and in the assignment | The answer to the question of  Life, the Universe, and Everything is 42, not 42.1  and not $42.13 |

2b. (2 points) Execute your program and compare its output to the Expected Output column.

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| --- | --- |
| **Input** | **Expected Output** |
| There is no user input. Verify output formatted as shown in the Expected Output column. | i / j is 0  i % j is 3  j / i is 3  j % i is 1  x \* i / j is 2.97  x \* ( i / j ) is 0.00  x / y + i is -13.5  j + y / x is 9.93939  static\_cast<double>(i) / j + y is -0.30 |

2c. (3 points) Execute your program and compare its output to the Expected Output column. Output for ages will be one output or the other but not both. For example, for an age of 55 the program will output either “You can rent a car.” (the most recent milestone) or “You can vote. You can drink. You can rent a car.” (all milestones). The program will not print both sets of messages.

|  |  |
| --- | --- |
| **Input** | **Expected Output** |
| Enter 1 for age  and see no output | Enter your age: 1 |
| Enter 18 for age | Enter your age: 18  You can vote |
| Enter 20 for age | Enter your age: 20  You can vote |
| Enter 21 for age | Enter your age: 21  You can drink  **or**  You can vote  You can drink |
| Enter 23 for age | Enter your age: 23  You can drink  **or**  You can vote  You can drink |
| Enter 25 for age | Enter your age: 25  You can rent a car  **or**  You can vote  You can drink  You can rent a car |
| Enter 55 for age | Enter your age: 55  You can rent a car  **or**  You can vote  You can drink  You can rent a car |
| Enter 65 for age | Enter your age: 65  You can collect social security  **or**  You can vote  You can drink  You can rent a car  You can collect social security |
| Enter 99 for age | Enter your age: 99  You can collect social security  **or**  You can vote  You can drink  You can rent a car  You can collect social security |

2d. (2 points) Execute your program and compare its output to the Expected Output column.

|  |  |
| --- | --- |
| **Input** | **Expected Output** |
| Enter 94.9 for grade | Enter grade: 94.9  A |
| Enter 93 for grade | Enter grade: 93  A |
| Enter 88.8 for grade | Enter grade: 88.8  B |
| Enter 83 for grade | Enter grade: 83  B |
| Enter 77.7 for grade | Enter grade: 77.7  C |
| Enter 73 for grade | Enter grade: 73  C |
| Enter 66.6 for grade | Enter grade: 66.6  D |
| Enter 65 for grade | Enter grade: 65  D |
| Enter 44.4for grade | Enter grade: 44.4  F |

2e. (2 points) Execute your program and compare its output to the Expected Output column.

|  |  |
| --- | --- |
| **Input** | **Expected Output** |
| Enter M for status | Enter status (M or S): M  Your creative married message should appear here. |
| Enter m for status | Enter status (M or S): m  Your creative married message should appear here. |
| Enter S for status | Enter status (M or S): S  Your creative singles message should appear here. |
| Enter s for status | Enter status (M or S): s  Your creative singles message should appear here. |
| Enter anything other than M, m, S, s for status | Enter status (M or S): Q  Invalid marital status Q. |