|  |  |
| --- | --- |
| Drive Full Name | Donovan Raymond |
| Partner Full Name | Cooper |
| Student ID | 1932791 |

Reflection

Type the Reflection INSIDE the respective Word file and addressing the following questions:

* Objective:
  + What were you supposed to learn/accomplish?

In this lab we were meant to implement the skills that we have learn up until now such as Boolean expressions, mathematical expressions, creating a flowchart, creating an algorithm, other essential programming skills in a team in order to practice and improve our proficiencies as programmers.

* Procedure:
  + What steps were followed and what techniques did you use to solve the problem?

Our procedure was to prompt the user for their hill type and speed and store them as variables. Then we used those variables to calculate airtime, distance, points before outputting a response to their result for points

* + What were the Key concepts explored?
* The math module
* Decision making
* Boolean expressions
* Flow charts
* Results:
  + Did your results match what you expected to get?

Not at the very beginning because our data was saved as integers instead of floats but after adjusting our code, we were able to output results closer to what expected.

* + Did you try using various test cases, or extreme test cases?

Yes, that is how we figure out the code had a flaw.

* Reflection:
  + What challenges did you encounter?

Scheduling would be an issue because it would be hard to coordinate with my partner but besides that everything was a delight.

* + How did you follow the first 3 rules of programming?

1. We read and thought about our problem and planned.
2. Then we would implement our program
3. Finally, we tested
   * Did you overcome them, and how?

We thought about our problem and made a flowchart and algorithm. Then we wrote comments for our code and started programming. Finally we used our test cases that we created during our thinking phase.

* + Any key takeaways?

My key takeaway is the importance of testcases and algorithms because they ended up saving me multiple times during my process.

* + Do you think you learned what you were supposed to learn for this lab?

Yes, I believe I learned a lot for doing this lab.

* + What was it like working with your partner?

Working with my partner was great!