

SIT102 – Introduction to Programming

Answers for 7.1P Arrays and Structs

Student Name: Ben Marriner

Student ID: 220253518

Question 1: How did the modular nature of functions, procedures, and structs help you make the changes needed to complete this program? Reflect on how you could focus your attention when extending the knight with additional data and associated functionality.

It was easy to add on the extra code needed to program new features into the program. All that needed to be done was to go into each of the functions that needed the extra code in order to make the features work and then to make sure that the procedures that displayed the menu options accounted for these new features so that they could then be accessed and used by the user. I also needed to make sure that the structures contained the data that was being added so that the functions and procedures could work with it.

Question 2: What are some of the key advantages to building and testing in an iterative manner?

This way of testing is a lot better than testing everything in one go. The reason for this is that if you built an entire program in one sitting without testing it iteratively, something could go wrong when program is running and it will be very difficult to find out what is causing the problem. It could be one thing or it could be multiple things. You would never know unless you build and test your program bit by bit.