SIT102 Introduction to Programming

Credit Task 4.3: Messy Code

This task will help demonstrate the value of correct code formatting, indentation, naming, and consistent use of case. We will give you some code that mostly works, but that has a number of issues with its format and coding conventions used, and it is your job to fix this code so that it is easy to read and understand.

Submission Details

Submit the following files to OnTrack.

- The fixed program code
- A screen shot of your program running

Focus on code quality, making sure the program code is easy to understand.

Instructions

- Download the associated resources which contain the code for a working program.
- Open the code, and read it…
  - Is it easy to follow?
  - Can you see the structure quickly?
  - What do all of the names mean?

- Please make this better… use what you know of good code quality to make this code easier to read and easier to understand. Think about indentation, naming, and use of case. This will include:
  - Ensure that all names are meaningful, and reflect what they relate to
  - Make sure names use the correct case (snake_case in most cases, UPPER_CASE for constants)
  - Make sure that the indentation is correct
  - Add comments to describe what is happening in the code

- Locate and fix the logical bugs… there are comments in the code to indicate what is not working as expected.
- Answer the questions in the word document and export to PDF to upload.

When you are happy, save and backup your work then submit to OnTrack.

Task Discussion

Discuss the following with your tutor to demonstrate your understanding of the concepts covered.

- Explain why coding conventions are important.

- What makes code readable? Why is this so important?