SIT102 – Introduction to Programming

Answers for 1.2P Shape Drawing

Student Name: Nievedha P Karthikeyan
Student ID: 218628359

Question 1: What are **clear_screen(…), fill_rectangle(…), write_line(…)** examples of?
What kind of artefact are they?

> They are examples of statements. This artefact is known as a procedure.

Question 2: What is the name of the statement (action) used to run the code in
clear_screen(…), **fill_rectangle(…)**, or **write_line**?

> Procedure Call

Question 3: In what order will the computer run the instructions in your code? Where do these instructions start from?

> The instructions run in chronological order of the statements in the block. They start at the main function, where the entry point to the block of instructions are set.

Question 4: Why do we create procedures? What are the advantages of doing this? How will this helps make it easier to build larger programs?

> A procedure is needed as it allows efficient grouping of instructions to perform a task without the need for repetition of numerous instructions. This makes sure that the instructions do not consume time and reduce the duplication of code. It reduces debugging time. Larger programs need greater amount of instructions. Procedures allows to break down complex codes into smaller pieces for easier usage.