DSIT102 – Introduction to Programming

Answers for 3.MP: Milestone 1 Checkpoint with Self-reflection

Milestone 1 – Weeks 1-3 Program, Data and Function, Professional Practice

Part A – A quick self-check on your Pass tasks completeness

Have you addressed the given feedback from your OnTrack tutor to your on-time submissions of your weeks 1 to 3 **Pass** tasks?

Yes, I dealt with the feedback I got from my mentor at Ontrack. Sometimes I don't even understand the feedback from my mentor, but my mentor is very patient and responsible, and even though she is demanding of me, I am happy to accept it. And I submitted my 1-3week pass task on time!

Part B – Self-reflective Assessment

It is about time for your first learning reflection. Based on your experience in SIT102 Milestone 1, please reflect on your learning using the following self-assessment table. For each row, place ✔ in the column which is most relevant to you.

Topics/Concepts	Have Some Doubts	Can implement using given guidelines	Confident to implement, apply, and justify
Installation of software and programming tools management			✔
Navigating through unit resources		✔	
DCreating software (program) application			✔
Programming artefacts for data storage		✔	
Basic data types		✔	
Program structures			✔
Procedure definition & procedure calls		✔	
Coding conventions and professional practice		✔	
Decomposition in software development			✔
Function definition & function calls		✔	
Others, please specify		✔	

Part C – Reflection Overview

Provide your reflection overview in 150 – 180 words for the above self-reflective assessment in regard to **various programming concepts and topics** in your **learning journey**. Try to reflect the following but not limited to:

- What were the concepts/topics you were most confident in?
- What were the most difficult parts to you?
- What were your most interesting discoveries?
- What did you think the correlation between your learnt programming concepts?
- What made you curious today?

- Where would this take you?
- Elaborate any significant programming milestones or hurdles you have overcome, and how could it be better.

Note: Your reflection in each milestone task are the building blocks for your learning summary report for your portfolio submission.

- **What were the concepts/topics you were most confident in?**

The concepts that I feel most confident in are data and functions. I think I have the ability to create programs that run a sequence of instructions, but they are limited to processing data through the program. Also the need to read in data from the user or sensor, modify it in code, and output it for the user to see, can use functions to solve these problems that

- **What were the most difficult parts to you?**

The most difficult part for me was Software Development Practices, Data & Functions. I spent a day researching the definitions and meanings of the various terms.

- **What were your most interesting discoveries?**

It turns out that the individual procedures are logical, it is not like writing an essay, you need to highlight your point of view to qualify the phrase. In programming, each piece of code has its own meaning, and we can even give them meaning and use them. This unit has sparked my interest in programming

- **What did you think the correlation between your learnt programming concepts?**

Procedures are interrelated with coding and programming. It is the process of designing and building an executable computer program to perform a specific computation or to perform a specific task. The goal of programming is to find a sequence of instructions that can automatically perform a task (which can be as complex as an operating system) on a computer. Proficiency in programming usually requires knowledge of several different disciplines, including knowledge of application domains, knowledge of specific algorithms, and formal logic.

Tasks related to programming include: testing, debugging, source code maintenance, etc. These tasks can be seen as part of the programming process, but for the larger programming process the term "software development" is often used, and the actual process of writing code is referred to by the terms implementation or coding.

- **What made you curious today?**

How to use the code in a deeper way.

- **Where would this take you?**

I will learn more and more about the use of code and experiment with different tasks.

- **Elaborate any significant programming milestones or hurdles you have overcome, and how could it be better.**

For example, in my 1.3task assignment, I wrote the program as described in the video tutorial. But I refresh the screen as well as the order in the program defined in advance and then used in the int main, and the requirements were not met. So much so that I used up my three chances to submit the evaluation, but the teacher patiently answered with me and I understood the mistakes in the code at once. In the future, when the teacher gives feedback and I don't write the correct answer, I should seek help from my classmates or the teacher of the main course so as to avoid wasting time

End of document (3 parts)