

Credit Name: CSE 2140 2nd language programming
Assignment Name: Chapter 3 task 1 Change counter

The following questions can help you in thinking critically about your problem-solving processes:

Understanding the Problem:

How did you approach understanding the challenge?

To understand the challenge at first I used the textbook and skillbuilders to understand what the chapter is asking me to do. I would understand all of the variables and things to input first and then apply it. If I still don't understand, I would go to Chatgpt so it can help me understand.

Were there any parts of the problem you found confusing at first? If so, how did you resolve that confusion?

At first I was confused how to get the change to be divided into the correct amount because I had to divide the remainder with the type of change. I resolved this by asking AI to give me a way to do this and I gave it more input so it can make it teach it to me as if I am a beginner in JAVA.

Planning the Solution

Did you create a plan or break the problem into smaller steps before coding?

My plan that was created correlated with my lpo chart and it allowed me to stay on track and avoid confusion of what to do next

Implementation

Did you write the code in small pieces or attempt the entire solution at once?

I wrote the code in small pieces and tested it each time so I know it is going as planned. I also do it in smaller pieces because it allows me to figure out where the mistakes I made was so I can go and fix them instead of trying to find it after I wrote the entire code

Overcoming Challenges

What part of the problem was the most difficult for you?

The most difficult part of building this code was dividing the remainder by each type of change amount like dividing the remainder of 25 by 10 so I can allow the user to know how many dimes they have in their total amount of change. I handled it by asking a friend and then asking AI to give me a way to do this and I adjusted each thing slightly to get it how I want it to be.

Learning

Was there anything you learned that you think will help you with future challenges?

I learned how to give the code math problems and get the answer to be outputted correctly because of the mastery project and skill builder since they are all similar to each other, by giving the code math problems I was able to understand and learn how to do it with other types of operations like multiplication and addition.