

Name : Azaria Cindy Sahasika

Number Id : 2341760169 / 06

Class : 1G – Business Information System

Lesson : Algorithm and Data Structure

Material : Practice 3

Github Link : https://github.com/azariacindy/algorithm-ds

1. Recall the final project of the Basic Programming course. Identify 2 classes and their attributes and methods then create a class diagram for each class.

* Class: Member

|  |
| --- |
| Member |
| * memberId int * memberName String |
| * Member(memberId: int, memberName: String) |

* Class: User

|  |
| --- |
| User |
| * username String * password String * userType String |
| * User(username: String, password: String, userType: String) |

* Class: Product

|  |
| --- |
| Product |
| * name String * price double * quantity int |
| * Product(name: String, price: double, quantity int) |

1. Recall the foreach syntax. How is the following program code equivalent to looping using foreach?

* In this version of the Foreach loop, the variable 'num' is used to refer to each element of the daftarNilai array in turn. The loop will continue until all elements have been visited. Foreach does not require an index variable like 'i' in the regular for loop. Foreach is also more concise and neat.

