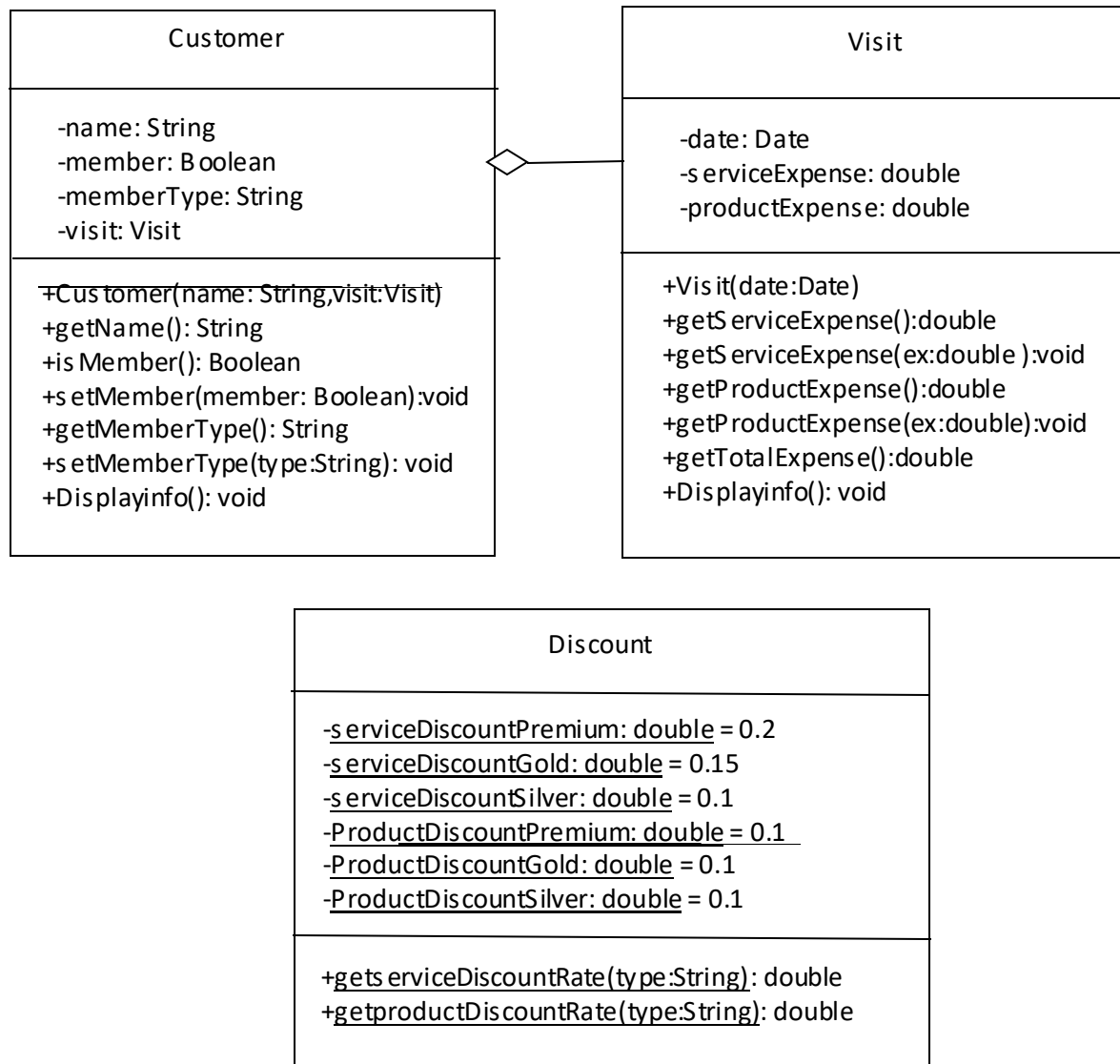


JAVA Assignment

Intake 49

Marks = 10

1. You are asked to write a discount system for a beauty saloon, which provides services and sells beauty products. It offers 3 types of memberships: Premium, Gold and Silver. Premium, gold and silver members receive a discount of 20%, 15%, and 10%, respectively, for all services provided. Customers without membership receive no discount. All members receive a flat 10% discount on products purchased (this might change in future). Your system shall consist of three classes: Customer, Discount and Visit, as shown in the class diagram. It shall compute the total bill if a customer purchases \$x of products and \$y of services, for a visit. Also write a test program to exercise all the classes. The class Discount contains only static variables and methods (underlined in the class diagram).



2. Write the code for the diagram.

