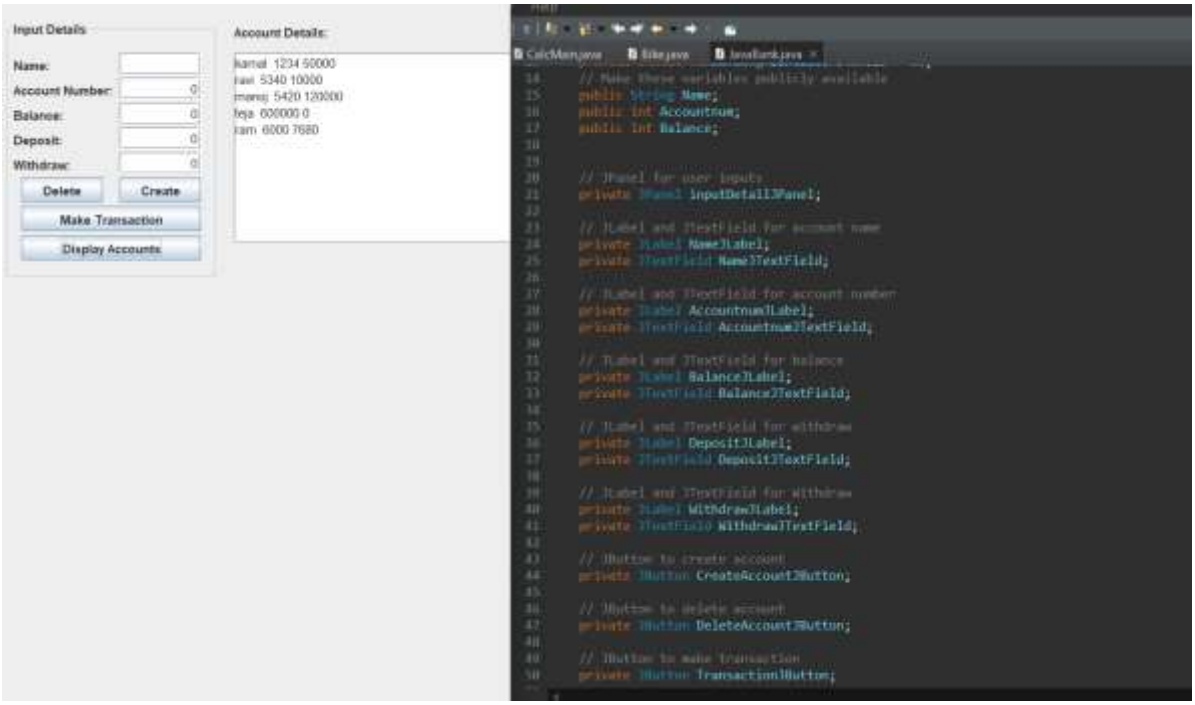
2.1practise

1. Explore JavaBank. Record your observations. What happens when you: • Display Accounts • Create Accounts • Delete Accounts • Make a Withdrawal Transaction • Make a Deposit Transaction • Can you display accounts before any are created? • Can you create an account without entering anything in the fields? • Can you make a withdrawal transaction with no amount in the Withdrawal field? • Can you do a deposit transaction with no amount in the Deposit field? • What other questions do you have about the JavaBank application?

A.



2. Import the file bikeproject.zip to a location on your computer and answer the following questions.

a. Give an example of a primitive data type that is used to store fields within a class.

b. Give an example of where String concatenation takes place.

c.

What are the names of the objects created in this program?

d. How many constructors does each class have?

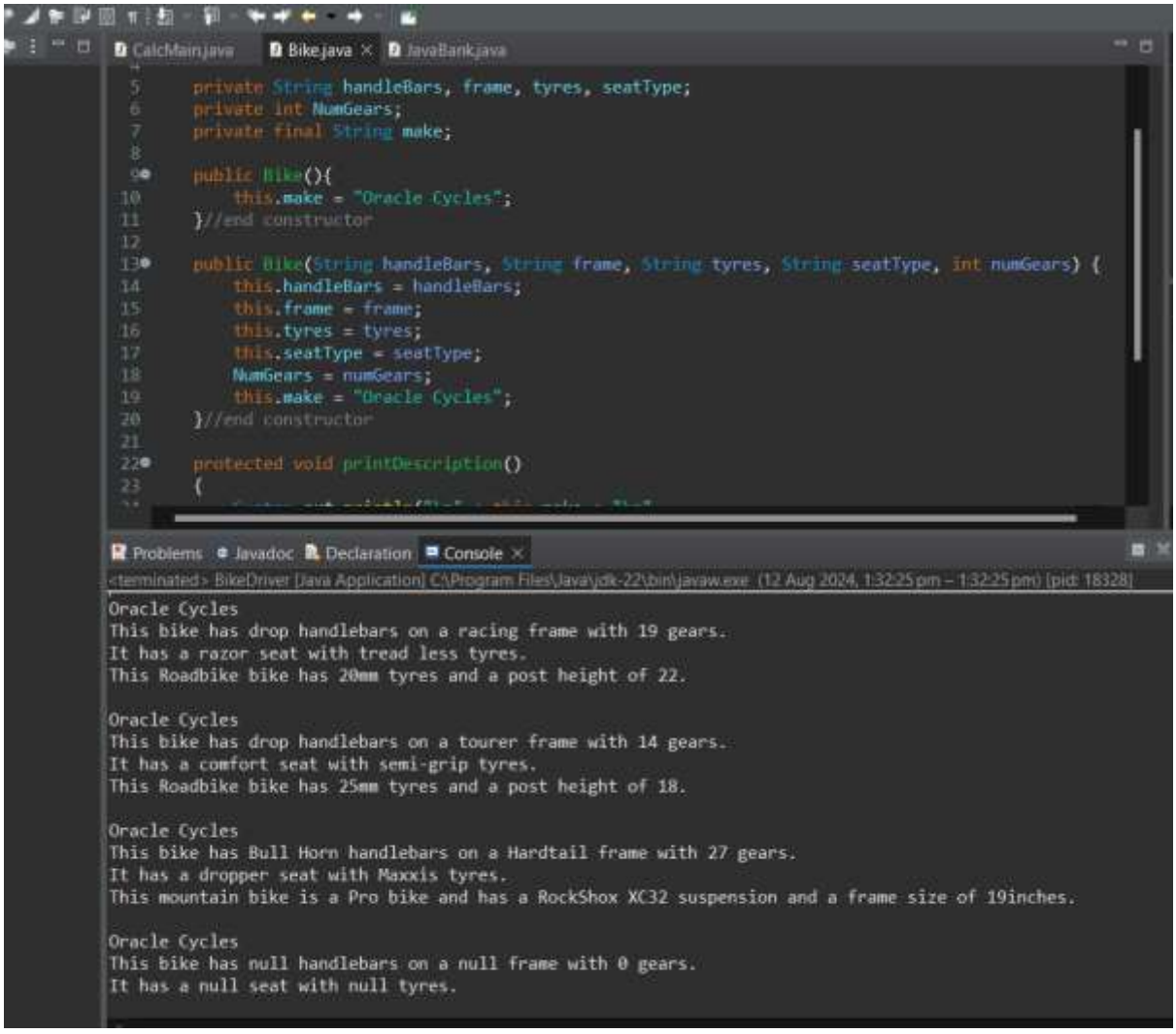
e. Inheritance is part of this program. Identify the Super and subclasses from this program.

f.

Mountain bikes and road bikes can be constructer either by using the default values (standard bike) or customized to

the client's needs. Using the following table identify sample values assigned to one of each type of standard bike:

A.



3. Working with the Calculator program.

a. Download, and then unzip the Calculator.zip file from this lesson's Reference Materials.

b. From Eclipse, import the Calculator.jar file:

i.From the File Menu, Select Import

ii.Expand General

iii. Select Existing Projects into Workspace

iv. Click Next

From the File Menu, Select Import

Expand General

Select Existing Projects into Workspace

Click Next

v. Choose “Select Archive File”

vi. Click Browse, go to the location of and select the Calculator jar. file, and then click Open

vii. Click Finish.

c. Once imported – run the application (CalcMain is the driver).

d. Determine what Calculator does and how it works – investigate.

e. Add multiplication and subtraction buttons to the application.

f. Test to make sure all functionality works as you expect.

g. Export updated Calculator to a “Runnable” JAR file.

h. Go to the location where you put the runnable JAR and double click it to run the application.

A.