Derek Pesa

20/03927

1.

```
| import jurn.upl.*;
| polic class Note|
| static fload String Note (MINUTE * "Omenopsil.c) jubic.driver";
| static fload String Note (MINUTE * "Omenopsil.c) jubic.driver";
| static fload String Note * "need";
| static fload String Note * "need fload String Note * "need String Note
```

2.

```
J CarBeanjava > ② ScarBean > ② setCar(String, String, int, int)

import java.io.Serializable;

/**author: Derek Pesa

* admission: 20/03927 */

public class CarBean implements Serializable{

// private members

private String manufacturer, model;

private int engine, price;

public CarBean(){

// empty default constructor

}

// setters

public void setCar(String manufac, String mod, int eng, int price){

this.manufacturer = manufac;

this.model = mod;

this.engine = eng;

this.price = price;

// getters

public String getCarManufac(){return this.manufacturer;}

public String getModel(){return this.model;}

public int getPrice(){return this.price;}

public int getEngine(){return this.engine;}

}
```

```
intent java.util.drzepisi;
limput java.util.drzepisi;
limput java.util.drzepisi;
limput java.util.drzepisi;
limput java.util.drzepisi;
limput java.util.drzene;
limput java
```

```
J Client.java > ♣ Client > ♠ split(String)
        public static String[] Members;
        public static void main(String[] args) throws Exception {
           Registry server = LocateRegistry.getRegistry(host: "localhost", port: 5000);
            RemoteInterface obj = (RemoteInterface) server.lookup(name: "Remote_Interface");
            String result = obj.readFileToString();
            System.out.println(x: "MEMBERS INCLUDE: \n");
            for(int i = 0; i < Members.length; i++){</pre>
                System.out.println("\t"+i+"."+Members[i]+"\n");
20 ∨ public static void split(String result){
           Members = result.split(regex: ",");
J RemoteInterface.java > ► RemoteInterface > 分 readFileToString()
       import java.rmi.Remote;
      public interface RemoteInterface extends Remote {
       // invokable method
           public String readFileToString() throws RemoteException;
```

```
J RemoteObj.java > ...
         private StringBuilder text = new StringBuilder();
         private String filename = "./database.txt";
         public RemoteObj() throws RemoteException{
         public String readFileToString(){
             try(BufferedReader br = new BufferedReader(new FileReader(filename))) {
                 String line;
                 while((line = br.readLine()) != null){
                     text.append(line);
             } catch (Exception e) {
                // TODO: handle exception
                 return "Error Occured!";
             return this.text.toString();
       import java.rmi.registry.LocateRegistry;
       import java.rmi.registry.Registry;
       public class Server {
           public static void main(String[] args) throws Exception {
               RemoteObj obj = new RemoteObj();
               Registry app = LocateRegistry.createRegistry(port: 5000);
               app.bind(name: "Remote_Interface", obj);
               System.out.println(x: "RMI server is running...");
```

4.

```
import java.io.*;
           public static Scanner input = new Scanner(System.in);
           public static void main(String[] args){
                  Socket s = new Socket(host: "localhost", port: 5000);
                  DataOutputStream outStr = new DataOutputStream(s.getOutputStream());
                  System.out.println(x: "Enter Message:\n");
                  String message = input.next();
                  outStr.writeUTF(message);
                  outStr.flush();
                  outStr.close();
                   s.close();
                  System.out.println("Error: \n" + e);
 Server.java > ♦ Server > ♦ main(String[])
     import java.io.*;
         public static void main(String[] args){
                  ServerSocket ss = new ServerSocket(port: 5000);
                  Socket s = ss.accept();
                  DataInputStream inpStr = new DataInputStream(s.getInputStream());
                  String output = (String)inpStr.readUTF();
                  System.out.println("Ouput Message: " + output);
                  ss.close();
              } catch (Exception e) {
                  System.out.println("Error: \n\t" + e.getMessage());
18
```

```
import javafx.application.Application;
import javafx.scene.Scene;
import javafx.scene.image.Image;
import javafx.scene.image.Image;
import javafx.scene.layout.StackPane;
import javafx.stage.Stage;

public class MultimediaProgram extends Application {

@Override
public void start(Stage primaryStage) {

// Create an ImageView object to display the image
Image image = new Image("image.jpg");

ImageView imageView = new ImageView(image);

// Create a StackPane object to hold the ImageView
StackPane stackPane = new StackPane();
stackPane.getChildren().add(imageView);

// Create a Scene object with the StackPane as the root node
Scene scene = new Scene(stackPane, 800, 600);

// Set the title of the window
primaryStage.setTitle("Multimedia Program");

// Set the Scene of the window
primaryStage.setScene(scene);

// Show the window
primar
```