

OBJECT-ORIENTED PROGRAMMING (CSF3043)

K1

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MATRICS NO.: S63746

LAB MODULE: 2

Welcome - NetBeans IDE 8.2

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Start Page | Activity4.java | WelcomeTest.java | Vehicle.java | VehicleTest.java | Student.java | StudentTest.java | Activity4.java | Activity4Test.java | TicketSaleTest.java | TicketSale.java | TicketSaleTest.java | Welcome.java

Source | History | | | | | | | |

Projects

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

```
1  /*
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6   // ARUNHUGILAN 563746 //
7   package welcome;
8
9   public class Welcome {
10      private String person_name;
11      public Welcome() {
12          System.out.println("CSF 3043 - Object Oriented Programming");
13      }
14      public Welcome(String person) {
15          setPerson_name(person);
16      }
17      public void setPerson_name(String person_name) {
18          this.person_name = person_name;
19      }
20      public String getPerson_name() {
21          return this.person_name;
22      }
23      public void DisplayMessage() {
24          System.out.println("Welcome to OOP class, " + getPerson_name());
25      }
26  }
27
28
29
30
31
32
33
34
35
```

33:5 INS

Welcome - NetBeans IDE 8.2

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Start Page | Activity4.java | WelcomeTest.java | Vehicle.java | VehicleTest.java | Student.java | StudentTest.java | Activity4.java | Activity4Test.java | TicketSaleTest.java | TicketSale.java | TicketSaleTest.java | Welcome.java

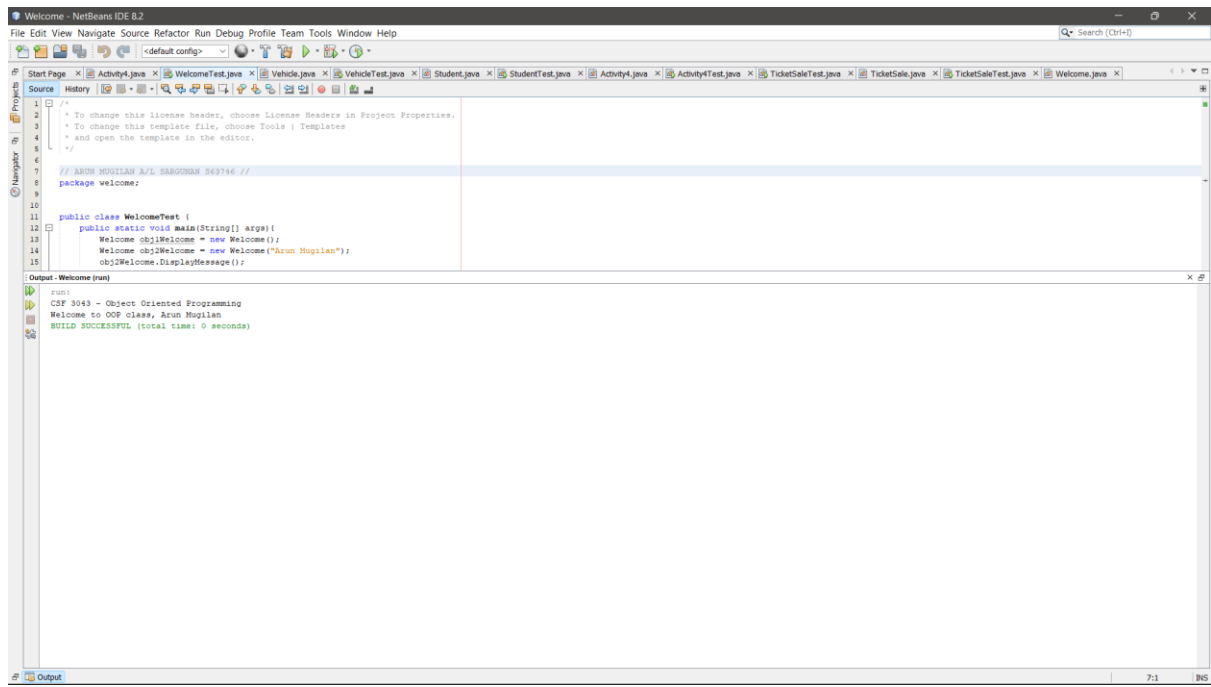
Source | History | | | | | | | |

Projects

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

```
1  /*
2   * To change this license header, choose License Headers in Project Properties.
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4   * and open the template in the editor.
5   */
6   // ARUNHUGILAN 563746 //
7   package welcome;
8
9   public class WelcomeTest {
10      public static void main(String[] args) {
11          Welcome objWelcome = new Welcome();
12          Welcome obj2Welcome = new Welcome("Arun Hugilan");
13          obj2Welcome.DisplayMessage();
14      }
15  }
16
17
18
19
```

7:1 INS



```
Vehicle - NetBeans IDE 8.2
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Search (Ctrl+F)

Start Page ActivityWelcomeTestVehicleVehicleTestStudentStudentTestActivityActivityTestTicketSaleTestTicketSaleTicketSaleTestWelcome
SourceHistory<default config>

// ARON MOGILAN A/L SARAGANAN 563746 //
package vehicle;

public class Vehicle {
    private String VehicleType;
    private String ChassisNo;
    private int ProductionYear;

    public Vehicle() {
        System.out.println("Vehicle Information");
    }

    public Vehicle(String VehicleType, String ChassisNo) {
        setVehicleType(VehicleType);
        setChassisNo(ChassisNo);
    }

    public Vehicle(String VehicleType, String ChassisNo, int ProductionYear) {
        setVehicleType(VehicleType);
        setChassisNo(ChassisNo);
        setProductionYear(ProductionYear);
    }

    public String getVehicleType() {
        return VehicleType;
    }

    public void setVehicleType(String VehicleType) {
        this.VehicleType = VehicleType;
    }

    public String getChassisNo() {
        return ChassisNo;
    }

    public void setChassisNo(String ChassisNo) {
        this.ChassisNo = ChassisNo;
    }

    public int getProductionYear() {
        return ProductionYear;
    }

    public void setProductionYear(int ProductionYear) {
        this.ProductionYear = ProductionYear;
    }
}

Output8:1BNS
```

```
Vehicle - NetBeans IDE 8.2
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Search (Ctrl+F)

Start Page ActivityWelcomeTestVehicleVehicleTestStudentStudentTestActivityActivityTestTicketSaleTestTicketSaleTicketSaleTestWelcome
SourceHistory<default config>

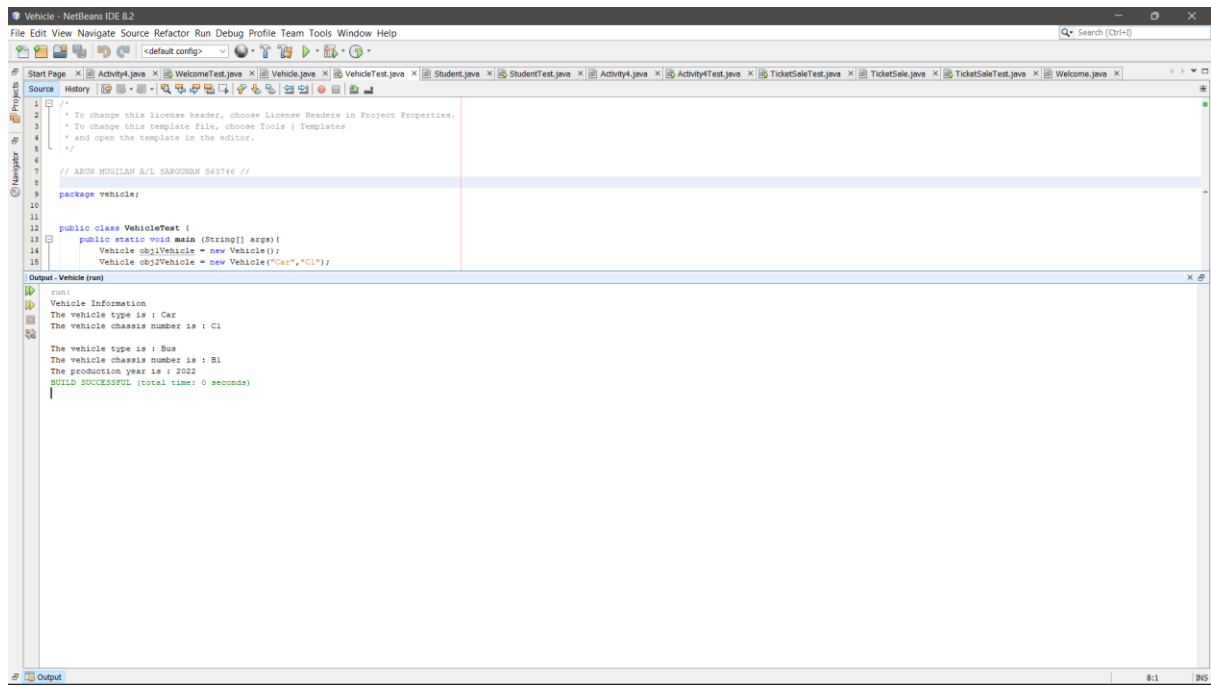
/*
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 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

// ARON MOGILAN A/L SARAGANAN 563746 //
package vehicle;

public class VehicleTest {
    public static void main (String[] args){
        Vehicle obj1Vehicle = new Vehicle();
        Vehicle obj2Vehicle = new Vehicle("Car","C1");
        Vehicle obj3Vehicle = new Vehicle("Bus","B1",2022);

        System.out.println("The vehicle type is : "+obj2Vehicle.getVehicleType());
        System.out.println("The vehicle chassis number is : "+obj2Vehicle.getChassisNo());
        System.out.println("");
        System.out.println("The vehicle type is : "+obj3Vehicle.getVehicleType());
        System.out.println("The vehicle chassis number is : "+obj3Vehicle.getChassisNo());
        System.out.println("The production year is : "+obj3Vehicle.getProductionYear());
    }
}

Output8:1BNS
```



```
Student - NetBeans IDE 8.2
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Start Page Activity4.java WelcomeTest.java Vehicle.java VehicleTest.java Student.java StudentTest.java Activity4.java ActivityTest.java TicketSaleTest.java TicketSale.java TicketSaleTest.java Welcome.java
Source History

package student;

public class Student {
    private String studentID;
    private String studentName;
    private String studentStatus;

    public Student() {
        System.out.println("Student Class");
        System.out.println("=====");
        System.out.println("");
    }

    public Student(String id, String name) {
        setStudentID(id);
        setStudentName(name);
    }

    public Student(String id, String name, String status) {
        setStudentID(id);
        setStudentName(name);
        setStudentStatus(status);
    }

    public String getStudentID() {
        return studentID;
    }

    public void setStudentID(String studentID) {
        this.studentID = studentID;
    }

    public String getStudentName() {
        return studentName;
    }

    public void setStudentName(String studentName) {
        this.studentName = studentName;
    }

    public String getStudentStatus() {
        return studentStatus;
    }

    public void setStudentStatus(String studentStatus) {
        this.studentStatus = studentStatus;
    }
}

8:1 INS
```

```
Student - NetBeans IDE 8.2
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Start Page Activity4.java WelcomeTest.java Vehicle.java VehicleTest.java Student.java StudentTest.java Activity4.java ActivityTest.java TicketSaleTest.java TicketSale.java TicketSaleTest.java Welcome.java
Source History

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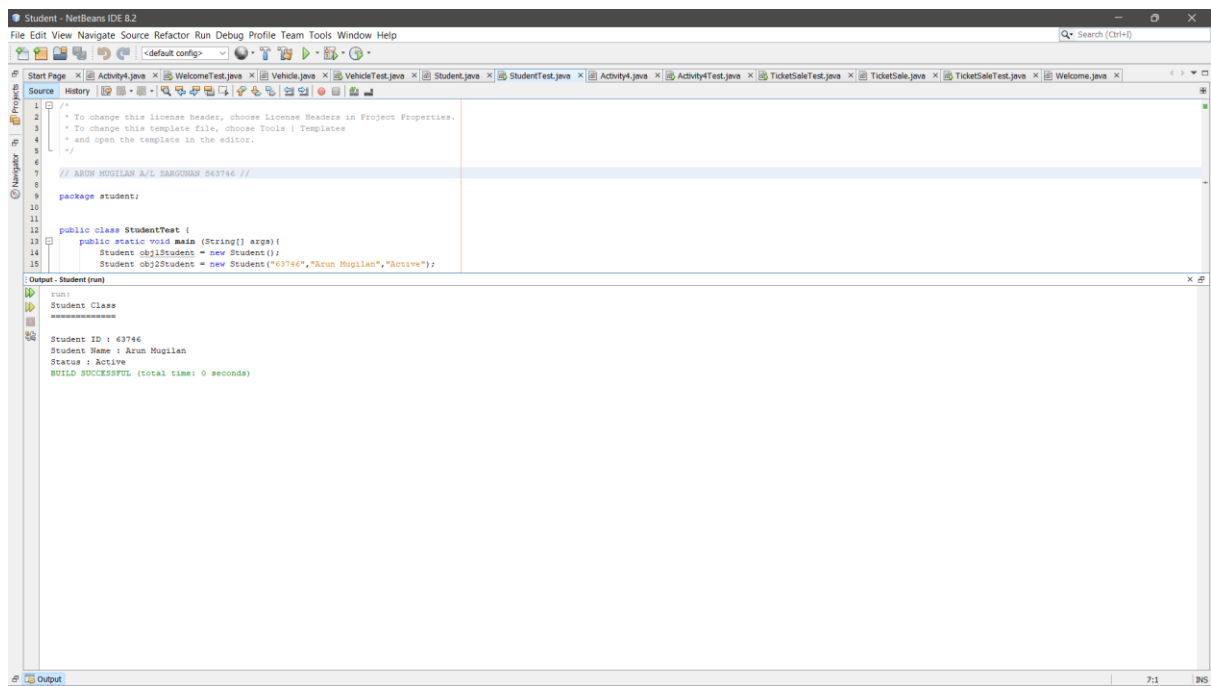
// ARUN MUGILAN A/L SARGUNAN 563746 //

package student;

public class StudentTest {
    public static void main (String[] args){
        Student obj1Student = new Student();
        Student obj2Student = new Student("63746","Arun Mugilan","Active");

        System.out.println("Student ID : " + obj2Student.getStudentID());
        System.out.println("Student Name : " + obj2Student.getStudentName());
        System.out.println("Status : " + obj2Student.getStudentStatus());
    }
}

7:1 INS
```



```
Activity 4 - NetBeans IDE 8.2
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Start Page Activity4.java WelcomeTest.java Vehicle.java VehicleTest.java Student.java StudentTest.java Activity4.java ActivityTest.java TicketSaleTest.java TicketSale.java TicketSaleTest.java Welcome.java
Source History
// ARON MOGILAN A/L SARGODHAN S43746 //
package activity.pkg4;

public class Activity4 {

    private String num1, num2;
    private int Nol;
    private double No2;

    public Activity4 (String num1, String num2){
        try{
            int a=Integer.parseInt(num1);
            Nol=a;
        } catch (NumberFormatException n1){
            Nol=0;
        }

        try{
            int b=(int) Double.parseDouble(num2);
            No2=b;
        } catch (NumberFormatException n2){
            No2=0;
        }
        setNol(Nol);
        setNo2((int) No2);
    }

    public int getNol(){
        return (this.Nol);
    }

    public void setNol(int Nol){
        this.Nol = Nol;
    }

    public double getNo2(){
        return (this.No2);
    }

    public void setNo2(int No2){
        this.No2 = No2;
    }

    public void getResult(){
        if (Nol==0){
            System.out.println("The first number entered is incorrect");
            System.out.println("First number: "+Nol);
        }
    }
}

activity.pkg4.Activity4 > Activity4 >
```

```
Activity 4 - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+F)

Start Page Activity4.java WelcomeTest.java Vehicle.java VehicleTest.java Student.java StudentTest.java Activity4.java ActivityTest.java TicketSaleTest.java TicketSale.java TicketSaleTest.java Welcome.java
Source History
try{
    int b=(int) Double.parseDouble(num2);
    No2=b;
} catch (NumberFormatException n2){
    No2=0;
}
setNol(Nol);
setNo2((int) No2);
}

public int getNol(){
    return (this.Nol);
}

public void setNol(int Nol){
    this.Nol = Nol;
}

public double getNo2(){
    return (this.No2);
}

public void setNo2(int No2){
    this.No2 = No2;
}

public void getResult(){
    if (Nol==0){
        System.out.println("The first number entered is incorrect");
        System.out.println("First number: "+Nol);
    }
    else{
        System.out.println("First number: "+Nol);
    }

    if (No2==0){
        System.out.println("The second number entered is incorrect");
        System.out.println("Second number: "+No2);
    }
    else{
        System.out.println("Second number: "+No2);
    }
}
}

activity.pkg4.Activity4 > Activity4 >
```



Activity 4 - NetBeans IDE 8.2

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Search (Ctrl+F)

Start Page Activity4.java WelcomeTest.java Vehicle.java VehicleTest.java Student.java StudentTest.java Activity4Test.java TicketSaleTest.java TicketSale.java TicketSaleTest.java Welcome.java

Source History

```
1  /*
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4   * and open the template in the editor.
5   */
6
7   // ARON MOGILAN A/L SARGONAH 563746 //
8
9   package activity.pkg4;
10
11
12  import java.util.Scanner;
13
14  public class Activity4Test {
15      Scanner input = new Scanner(System.in);
16      System.out.print("Please insert the first number : ");
17      String num1 = input.nextLine();
18      System.out.print("Please insert the second number : ");
19      String num2 = input.nextLine();
20      Activity4 objActivity4 = new Activity4(num1,num2);
21      objActivity4.getResult();
22  }
23
24  }
```

activity.pkg4.Activity4Test main

Activity 4 - NetBeans IDE 8.2

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Start Page Activity4.java WelcomeTest.java Vehicle.java VehicleTest.java Student.java StudentTest.java Activity4Test.java TicketSaleTest.java TicketSale.java TicketSaleTest.java Welcome.java

Source History

```
1  /*
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4   * and open the template in the editor.
5   */
6
7   // ARON MOGILAN A/L SARGONAH 563746 //
8
9   package activity.pkg4;
10
11
12  import java.util.Scanner;
13
14  public class Activity4Test {
15      Scanner input = new Scanner(System.in);
16
17      public static void main (String[] args) {
18          Activity4Test objActivity4Test = new Activity4Test();
19          objActivity4Test.getResult();
20      }
21  }
```

Output: Activity 4 (run)

```
main:
Please insert the first number : 12
Please insert the second number : 13
First number: 12
Second number: 13.0
BUILD SUCCESSFUL (total time: 5 seconds)
```

Output

```
TicketSale - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+F)

Source
// ARON MOGILAN 963746 //
package ticketsale;
public class TicketSale {
    private int num;
    private char seat;
    private double price;

    public TicketSale(){
        char seat = 'A';
        setSeat(seat);
        setNum(0);
        setPrice(0.0);
    }

    public TicketSale(char Seat, double Price){
        setSeat(Seat);
        setPrice(Price);
        setNum(0);
    }

    public int getNum() {
        return num;
    }

    public void setNum(int num) {
        this.num = num;
    }

    public char getSeat() {
        return seat;
    }

    public void setSeat(char seat) {
        this.seat = seat;
    }

    public double getPrice() {
        return price;
    }

    public void setPrice(double price) {
        this.price = price;
    }

    double GetTotal(){
        return price*num;
    }
}
```

```
TicketSale - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+F)

Source
/*
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 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
// ARON MOGILAN 963746 //
package ticketsale;

import java.util.Scanner;

public class TicketSaleTest {
    public static void main(String[] args) {
        Scanner a = new Scanner(System.in);
        double total;
        String A,B,C;
        TicketSale obj1 = new TicketSale();
        TicketSale obj2 = new TicketSale("A", 15.00);
        TicketSale obj3 = new TicketSale("B", 25.00);
        TicketSale obj4 = new TicketSale("C", 30.00);

        System.out.print("Number of seats for " + obj2.getSeat() + " : ");
        A = a.next();
        obj2.setNum(Integer.parseInt(A));
        System.out.print("Number of seats for " + obj3.getSeat() + " : ");
        B = a.next();
        obj3.setNum(Integer.parseInt(B));
        System.out.print("Number of seats for " + obj4.getSeat() + " : ");
        C = a.next();
        obj4.setNum(Integer.parseInt(C));

        total = obj2.GetTotal()+obj3.GetTotal()+obj4.GetTotal();
        System.out.println ("The total sales is : RM"+total);
    }
}
```

