Java Lab Assignment – 3

Praneesh R V

CB.SC.U4CYS23036

Qn1.

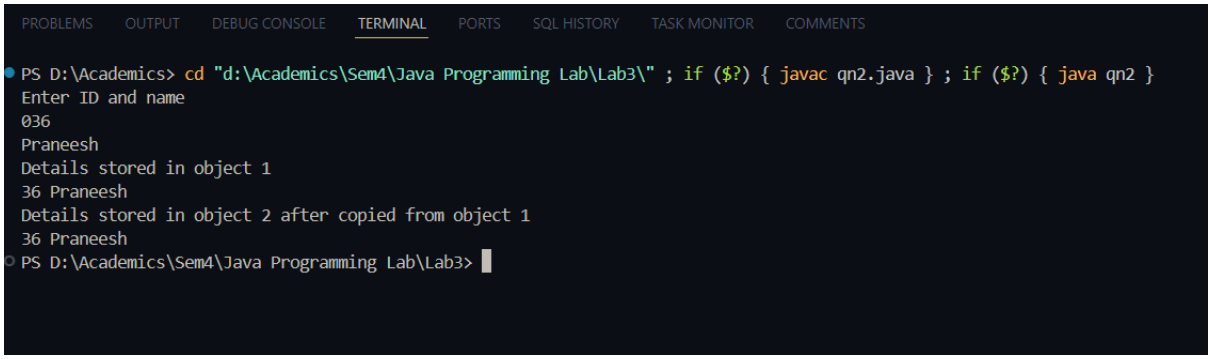
Code:

Output:

Qn2,

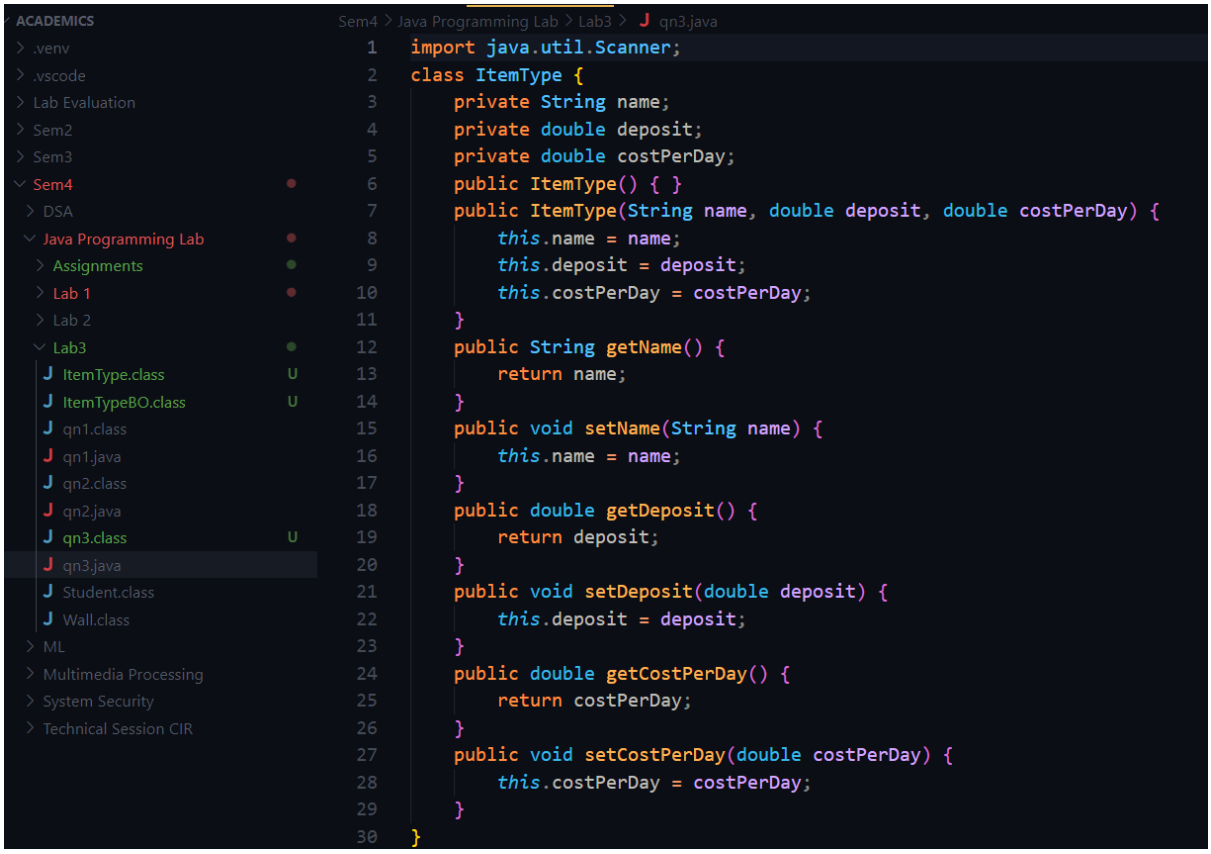
Code:

Output:



Qn3,

Code:


ACADEMICS
.venv
.vscode
Lab Evaluation
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Sem3
Sem4
DSA
Java Programming Lab
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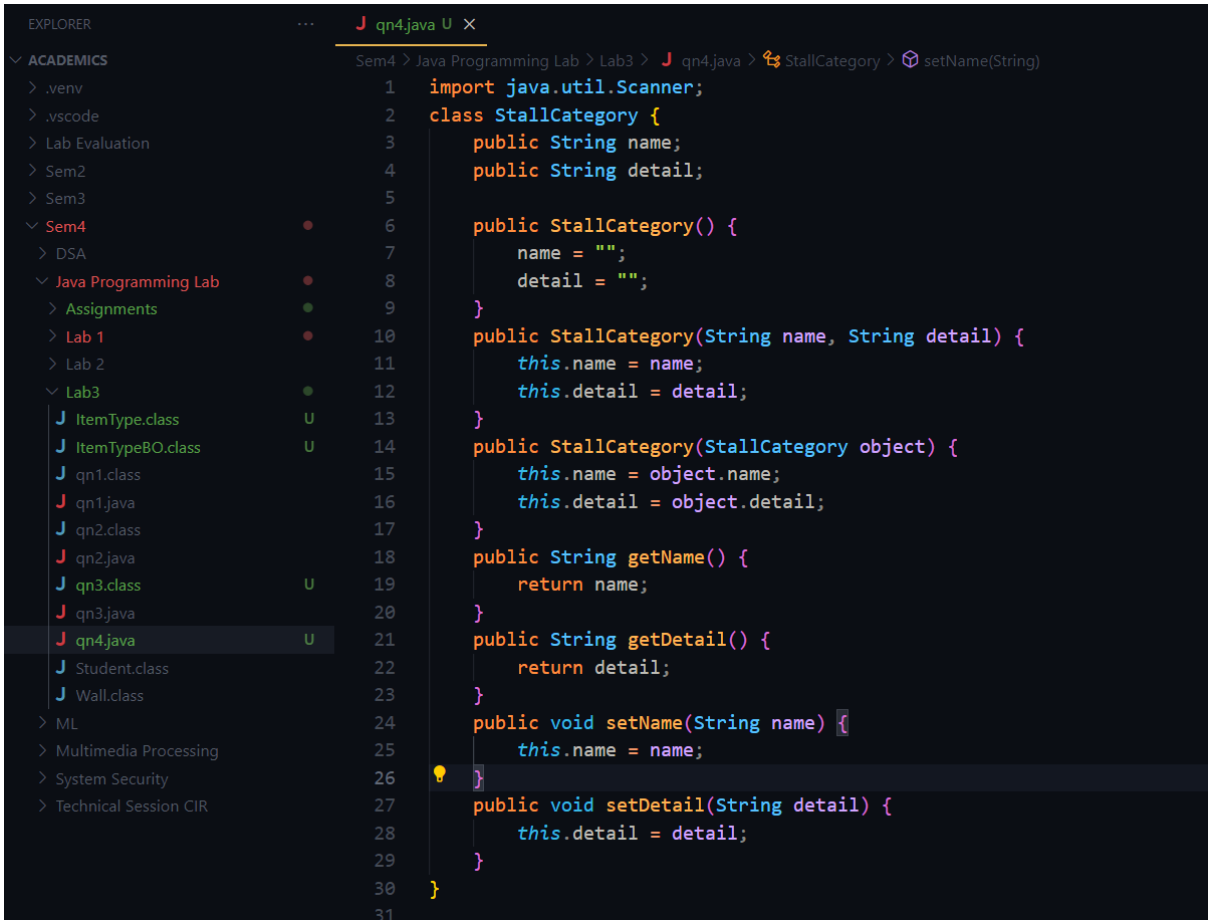
Lab 1
Lab 2
Lab3
ItemType.class
ItemTypeBO.class
qn1.class
qn1.java
qn2.class
qn2.java
qn3.class
qn3.java
Student.class
Wall.class
ML
Multimedia Processing
System Security
Technical Session CIR
Sem4 > Java Programming Lab > Lab3 > qn3.java
import java.util.Scanner;
class ItemType {
private String name;
private double deposit;
private double costPerDay;
public ItemType() { }
public ItemType(String name, double deposit, double costPerDay) {
this.name = name;
this.deposit = deposit;
this.costPerDay = costPerDay;
}
public String getName() {
return name;
}
public void setName(String name) {
this.name = name;
}
public double getDeposit() {
return deposit;
}
public void setDeposit(double deposit) {
this.deposit = deposit;
}
public double getCostPerDay() {
return costPerDay;
}
public void setCostPerDay(double costPerDay) {
this.costPerDay = costPerDay;
}
}


EXPLORER
qn2.java
qn3.java
class ItemTypeBO {
public void searchDetail(String search, ItemType[] item, int n) {
boolean found = false;
for(int i = 0; i < n; i++) {
if(item[i].getName().equals(search)) {
System.out.printf(format:"%s %.1f %.1f\n", item[i].getName(), item[i].getDeposit(), item[i].getCostPer
found = true;
break;
}
}
if(!found) {
System.out.println(x:"Searched item Type not found");
}
}
public void display(ItemType[] item, int n) {
for(int i = 0; i < n; i++) {
System.out.printf(format:"%s %.1f %.1f\n", item[i].getName(), item[i].getDeposit(), item[i].getCostPerDay(
}
}
}
public class qn3 {
Run | Debug
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
ItemType[] items = new ItemType[10];

Output:

Qn4,

Code:


EXPLORER
qn4.java U
ACADEMICS
.venv
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qn2.java
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qn3.java
qn4.java
Student.class
Wall.class
ML
Multimedia Processing
System Security
Technical Session CIR
Sem4 > Java Programming Lab > Lab3 > qn4.java > StallCategory > setName(String)
import java.util.Scanner;
class StallCategory {
public String name;
public String detail;
public StallCategory() {
name = "";
detail = "";
}
public StallCategory(String name, String detail) {
this.name = name;
this.detail = detail;
}
public StallCategory(StallCategory object) {
this.name = object.name;
this.detail = object.detail;
}
public String getName() {
return name;
}
public String getDetail() {
return detail;
}
public void setName(String name) {
this.name = name;
}
public void setDetail(String detail) {
this.detail = detail;
}
}


Sem2
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ItemType.class
ItemTypeBO.class
qn1.class
qn1.java
qn2.class
qn2.java
qn3.class
qn3.java
qn4.java
Student.class
Wall.class
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Multimedia Processing
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}
public class qn4 {
Run | Debug
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
String name = sc.nextLine();
String detail = sc.nextLine();
StallCategory stall1 = new StallCategory(name, detail);
StallCategory stall2 = new StallCategory(stall1);
System.out.println(x:"Using Parameterized Constructor:");
System.out.println("Name:" + stall1.getName());
System.out.println("Detail:" + stall1.getDetail());
System.out.println(x:"\nUsing Copy Constructor:");
System.out.println("Name:" + stall2.getName());
System.out.println("Detail:" + stall2.getDetail());
sc.close();
}
}

Output:

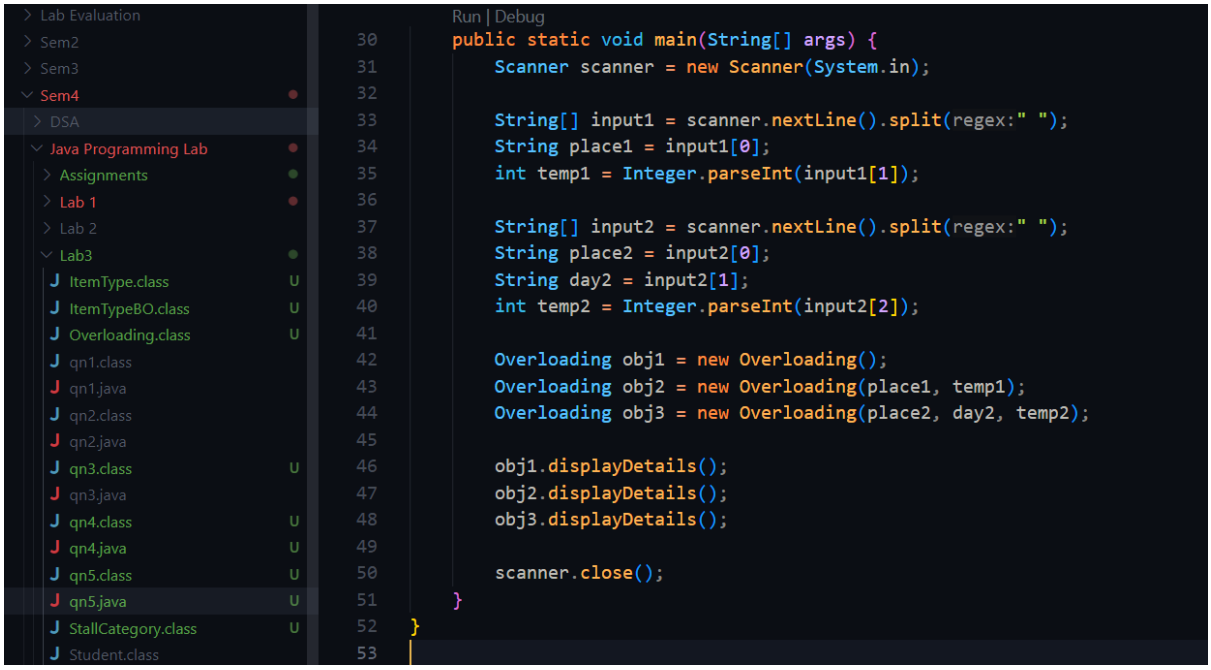
```
PROBLEMS 3  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  SQL HISTORY  TASK MONITOR  COMMENTS

PS D:\Academics> cd "d:\Academics\Sem4\Java Programming Lab\Lab3\" ; if ($?) { javac qn4.java } ; if ($?) { java qn4 }
Harry Potter
Book
Using Parameterized Constructor:
Name:Harry Potter
Detail:Book

Using Copy Constructor:
Name:Harry Potter
Detail:Book
PS D:\Academics\Sem4\Java Programming Lab\Lab3>
```

Qn5,

Code:


Lab Evaluation
Sem2
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Sem4
DSA
Java Programming Lab
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Lab 2
Lab3
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ItemTypeBO.class
Overloading.class
qn1.class
qn1.java
qn2.class
qn2.java
qn3.class
qn3.java
qn4.class
qn4.java
qn5.class
qn5.java
StallCategory.class
Student.class
Run | Debug
public static void main(String[] args) {
Scanner scanner = new Scanner(System.in);
String[] input1 = scanner.nextLine().split(regex:" ");
String place1 = input1[0];
int temp1 = Integer.parseInt(input1[1]);
String[] input2 = scanner.nextLine().split(regex:" ");
String place2 = input2[0];
String day2 = input2[1];
int temp2 = Integer.parseInt(input2[2]);
Overloading obj1 = new Overloading();
Overloading obj2 = new Overloading(place1, temp1);
Overloading obj3 = new Overloading(place2, day2, temp2);
obj1.displayDetails();
obj2.displayDetails();
obj3.displayDetails();
scanner.close();
}
}

Output:


PROBLEMS 3
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
SQL HISTORY
TASK MONITOR
COMMENTS
PS D:\Academics> cd "d:\Academics\Sem4\Java Programming Lab\Lab3\" ; if ($?) { javac qn5.java } ; if ($?) { java qn5 }
Coimbatore
27
Chennai
Today
37
Argentina Yesterday Temperature: 29°
Coimbatore Today Temperature: 27°
Chennai Today Temperature: 37°
PS D:\Academics\Sem4\Java Programming Lab\Lab3>