Status	Finished
Started	Friday, 18 October 2024, 8:29 AM
Completed	Friday, 18 October 2024, 9:11 AM
Duration	42 mins 36 secs

Question **1**

Correct

Marked out of 5.00

Create a class known as "BankAccount" with methods called deposit() and withdraw().

Create a subclass called SavingsAccount that overrides the withdraw() method to prevent withdrawals if the account balance falls below one hundred.

For example:

Result
Create a Bank Account object (A/c No. BA1234) with initial balance of $500: Deposit $1000 into account BA1234: New balance after depositing $1000: $1500.0 Withdraw $600 from account BA1234: New balance after withdrawing $600: $900.0 Create a SavingsAccount object (A/c No. SA1000) with initial balance of $300: Try to withdraw $250 from SA1000! Minimum balance of $100 required! Balance after trying to withdraw $250: $300.0

Answer: (penalty regime: 0 %)

Reset answer

```
class ba{
    int bal;
    ba(int b){
        this.bal=b;
    }
    public void deposit(double a) {
        bal+=a;
    }

    public void withdraw(double a) {
        bal-=a;
    }
    int gb(){
        return bal;
    }
}

 class sa extends ba {
    sa(int b){
        super(b);
    }
    public void withdraw(int a) {
        if ((bal-a) < 100) {
            System.out.println("Minimum balance of $100 required!");
        } else {
            bal-=a;
        }
    }
}

public class Main {

    public static void main(String[] args) {
        ba BA1234 = new ba(500);
        sa SA1000 = new sa(300);
        System.out.println("Create a Bank Account object (A/c No. BA1234) with initial balance of $500:");
        System.out.println("Deposit $1000 into account BA1234:");
        BA1234.deposit(1000);
        System.out.println("New balance after depositing $1000: $" +BA1234.gb()+".0");
        System.out.println("Withdraw $600 from account BA1234:");
        BA1234.withdraw(600);
        System.out.println("New balance after withdrawing $600: $" +BA1234.gb()+".0");
        System.out.println("Create a SavingsAccount object (A/c No. SA1000) with initial balance of $300:");
        System.out.println("Try to withdraw $250 from SA1000!");
        SA1000.withdraw(250);
        System.out.println("Balance after trying to withdraw $250: $" + SA1000.gb()+".0");
    }
}
```

	Expected	Got	
✓	Create a Bank Account object (A/c No. BA1234) with initial balance of $500: Deposit $1000 into account BA1234: New balance after depositing $1000: $1500.0 Withdraw $600 from account BA1234: New balance after withdrawing $600: $900.0 Create a SavingsAccount object (A/c No. SA1000) with initial balance of $300: Try to withdraw $250 from SA1000! Minimum balance of $100 required! Balance after trying to withdraw $250: $300.0	Create a Bank Account object (A/c No. BA1234) with initial balance of $500: Deposit $1000 into account BA1234: New balance after depositing $1000: $1500.0 Withdraw $600 from account BA1234: New balance after withdrawing $600: $900.0 Create a SavingsAccount object (A/c No. SA1000) with initial balance of $300: Try to withdraw $250 from SA1000! Minimum balance of $100 required! Balance after trying to withdraw $250: $300.0	✓

Passed all tests! ✓

Question **2**

Correct

Marked out of 5.00

create a class called College with attribute String name, constructor to initialize the name attribute , a method called Admitted(). Create a subclass called CSE that extends Student class, with department attribute , Course() method to sub class. Print the details of the Student.

College:

String collegeName;

public College() { }

public admitted() { }

Student:

String studentName;

String department;

public Student(String collegeName, String studentName,String depart) { }

public toString()

Expected Output:

A student admitted in REC
CollegeName : REC
StudentName : Venkatesh
Department : CSE

For example:

Result
A student admitted in REC CollegeName : REC StudentName : Venkatesh Department : CSE

Answer: (penalty regime: 0 %)

Reset answer

```
class College
{
protected   String collegeName;

public College(String collegeName) {
    // initialize the instance variables
    this.collegeName=collegeName;
    }

public void admitted() {
    System.out.println("A student admitted in "+collegeName);
}
}
class Student extends College{

String studentName;
String department;

public Student(String collegeName, String studentName,String depart) {
    super(collegeName);
    this.studentName=studentName;
    this.department=depart;


}

public String toString(){
    // return the details of the student
    return "CollegeName : "+collegeName+"\n"+"StudentName : "+studentName+"\n"+"Department : "+department;
}
}
public class Main {
public static void main (String[] args) {
        Student  s1 = new Student("REC","Venkatesh","CSE");
        s1.admitted();
```

```
        System.out.println(s1.toString());
}
}
}
```

	Expected	Got	
✓	A student admitted in REC CollegeName : REC StudentName : Venkatesh Department : CSE	A student admitted in REC CollegeName : REC StudentName : Venkatesh Department : CSE	✓

Passed all tests! ✓

Question **3**

Correct

Marked out of 5.00

Create a class Mobile with constructor and a method basicMobile().

Create a subclass CameraMobile which extends Mobile class , with constructor and a method newFeature().

Create a subclass AndroidMobile which extends CameraMobile, with constructor and a method androidMobile().

display the details of the Android Mobile class by creating the instance. .

class Mobile{

}

class CameraMobile extends Mobile {

}

class AndroidMobile extends CameraMobile {

}

expected output:

Basic Mobile is Manufactured
Camera Mobile is Manufactured
Android Mobile is Manufactured
Camera Mobile with 5MG px
Touch Screen Mobile is Manufactured

For example:

Result
Basic Mobile is Manufactured Camera Mobile is Manufactured Android Mobile is Manufactured Camera Mobile with 5MG px Touch Screen Mobile is Manufactured

Answer: (penalty regime: 0 %)

```
class mobile{
    mobile(){
        System.out.println("Basic Mobile is Manufactured");
    }
}
class camera{
    void nf(){
        System.out.println("Camera Mobile with 5MG px");
    }
    camera(){
        System.out.println("Camera Mobile is Manufactured");
    }
}
class android{
    void an(){
        System.out.println("Touch Screen Mobile is Manufactured");
    }
    android(){
        System.out.println("Android Mobile is Manufactured");
    }
}
public class main{
    public static void main(String []args){
        mobile m=new mobile();
        camera c=new camera();
        android a=new android();
        c.nf();
        a.an();
    }
}
```

	Expected	Got	
✓	Basic Mobile is Manufactured Camera Mobile is Manufactured Android Mobile is Manufactured Camera Mobile with 5MG px Touch Screen Mobile is Manufactured	Basic Mobile is Manufactured Camera Mobile is Manufactured Android Mobile is Manufactured Camera Mobile with 5MG px Touch Screen Mobile is Manufactured	✓

Passed all tests! ✓

◄ Lab-05-MCQ

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Is Palindrome Number? ►