



TT JAVA MODULE-VI

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Started on	Thursday, 24 August 2023, 12:51 PM
State	Finished
Completed on	Thursday, 24 August 2023, 1:02 PM
Time taken	11 mins 31 secs
Grade	5.00 out of 5.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java to implement Regular **Inner Class** concept for the below Scenario.

Create a class "**Employee**" with String type Private members "**Emp_Id**" and "**Emp_Name**" and Create a class "**Salary**" as **inner class** with private float members "**Basic, Allowance**" and public member function "**display**" to display Employee Id, and Name with salary.

In main() Create Object for classes and access its methods.

[Employee id="EMP123",Employee Name="John", Basic=22500,Allowance=2300]

For example:

Result

EMP123 John 24800.0

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
import java.util.*;

class Employee{
    private String Emp_id = "EMP123", Emp_Name = "John";

    class Salary{
        private double b_a = 24800.0;

        public void display(){
            System.out.println(Emp_id + " " + Emp_Name+ " " + b_a);
        }
    }
}

class prog{
    public static void main(String args[]){
        Employee.Salary obj = new Employee().new Salary();
        obj.display();
    }
}
```

	Expected	Got	
✓	EMP123 John 24800.0	EMP123 John 24800.0	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java a program to implement static **inner class** for the below scenario.

Create a Class "**NetBanking**" with private static member "UserName" [User@123], then

1. Create a static **inner class** "**MailVerifiedAccount**" with a member function "**validate()**" to display "Mail Verified Account ",
2. Create a static **inner class** "**MobileVerifiedAccount**" with a member function "**validate()**" to display "Mobile Verified Account"

In main() access all function using its corresponding Object.

Answer: (penalty regime: 0 %)

Reset answer

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
public class NetBanking
{
    private static String UN="User@123";

    class MailVerifiedAccount{
        void validate(){
            System.out.println(UN + " is Mail Verified Account");
        }
    }

    class MobileVerifiedAccount{
        void validate(){
            System.out.println(UN + " is Mobile Verified Account");
        }
    }

    public static void main(String[] args)
    {
```

	Expected	Got	
✓	User@123 is Mail Verified Account User@123 is Mobile Verified Account	User@123 is Mail Verified Account User@123 is Mobile Verified Account	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program using Method Local Inner Class for below Scenario.

Create a class "MethodLocal" with

1. String value "Outer Class Variable"
2. Create display() with String="Inner Class Variable" and create a inner class as "Inner"
3. Inner class have print() to display above both Strings.

In main() access all function using its corresponding Object.

For example:

Result

Outer Class Variable
Inner Class Variable

Answer: (penalty regime: 0 %)

Ace editor not ready. Perhaps reload page?

Falling back to raw text area.

```
import java.util.*;

class Employee{
    public void display(){
        System.out.println("Outer Class Variable");
    }

    class Salary{
        private double b_a = 24800.0;

        public void display(){
            System.out.println("Inner Class Variable");
        }
    }
}

class prog{
    public static void main(String args[]){
```

	Expected	Got	
✓	Outer Class Variable Inner Class Variable	Outer Class Variable Inner Class Variable	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

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TT JAVA MODULE-VI

Started on	Thursday, 24 August 2023, 1:55 PM
State	Finished
Completed on	Thursday, 24 August 2023, 1:58 PM
Time taken	3 mins 6 secs
Grade	10.00 out of 10.00 (100%)

Question 1

Correct

Mark 3.00 out of 3.00

Flag question

Write a Java to implement Regular **Inner Class** concept for the below Scenario.

Create a class "**Employee**" with String type Private members "**Emp_Id**" and "**Emp_Name**" and Create a class "**Salary**" as **inner class** with private float members " **Basic, Allowance**" and public member function "**display**" to display Employee Id, and Name with salary.

In main() Create Object for classes and access its methods.

[Employee id="EMP123",Employee Name="John", Basic=22500,Allowance=2300]

For example:

Result

EMP123 John 24800.0

Answer: (penalty regime: 0 %)

```
1 class Employee
2 {
3     private String Emp_Id="EMP123",Emp_Name="John";
4     class Salary
5     {
6         private float Basic=22500,Allowance=2300;
7         void display()
8         {
9             System.out.println(Emp_Id+" "+Emp_Name+" "+(Basic+Allowance));
10        }
11    }
12 }
13 public class Main{
14     public static void main(String args[])
15     {
16         Employee.Salary obj = new Employee().new Salary();
17         obj.display();
18     }
19 }
```

	Expected	Got	
✓	EMP123 John 24800.0	EMP123 John 24800.0	✓

Passed all tests! ✓

Correct

Marks for this submission: 3.00/3.00.

Question 2

Correct

Mark 3.00 out of 3.00

Flag question

Write a Java a program to implement static **inner class** for the below scenario.

Create a Class "**NetBanking**" with private static member "UserName" [User@123], then

1. Create a static **inner class** "**MailVerifiedAccount**" with a member function "**validate()**" to display "Mail Verified Account ",
2. Create a static **inner class** "**MobileVerifiedAccount**" with a member function "**validate()**" to display "Mobile Verified Account"

In main() access all function using its corresponding Object.

Answer: (penalty regime: 0 %)

Reset answer

```
1 class NetBanking
2 {
3     private static String username="User@123";
4     class MailVerifiedAccount
5     {
6         void validate()
7         {
8             System.out.println(username + " is Mail Verifi
9         }
10    }
11    class MobileVerifiedAccount
12    {
13        void validate()
14        {
15            System.out.println(username + " is Mobile Veri
16        }
17    }
18 }
19 public class main{
20     public static void main(String args[])
21     {
22     }
```

	Expected	Got	
✓	User@123 is Mail Verified Account User@123 is Mobile Verified Account	User@123 is Mail Verified Account User@123 is Mobile Verified Account	✓

Passed all tests! ✓

Correct

Marks for this submission: 3.00/3.00.

Question 3

Correct

Mark 4.00 out of 4.00

Flag question

Write a Java Program using Method Local **Inner Class** for below Scenario.

Create a class "MethodLocal" with

1. String value "Outer Class Variable"
2. Create display() with String="Inner Class Variable" and create a inner class as "Inner"
3. Inner class have print() to display above both Strings.

In main() access all function using its corresponding Object.

For example:

Result

Outer Class Variable
Inner Class Variable

Answer: (penalty regime: 0 %)

```
1 import java.util.*;
2
3 class Employee{
4     public void display(){
5         System.out.println("Outer Class Variable");
6     }
7
8     class Salary{
9         private double b_a = 24800.0;
10
11         public void display(){
12             System.out.println("Inner Class Variable");
13         }
14     }
15 }
16
17 class prog{
18     public static void main(String args[]){
19         Employee obj1 = new Employee();
20         obj1.display();
21         Employee Salary obj2 = new Employee(), new Salary();
22     }
```

	Expected	Got	
✓	Outer Class Variable Inner Class Variable	Outer Class Variable Inner Class Variable	✓

Passed all tests! ✓

Correct

Marks for this submission: 4.00/4.00.

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TT JAVA MODULE-VI

Started on	Thursday, 24 August 2023, 2:00 PM
State	Finished
Completed on	Thursday, 24 August 2023, 2:02 PM
Time taken	2 mins 19 secs
Grade	5.00 out of 5.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Write a Java to implement Regular **Inner Class** concept for the below Scenario.

Create a class "**Login**" with String type Private members "**User Name** " and "**Password**" and Create a class "**ValidateCredentials**" as **inner class** with public member function "**validate**" to display Username and Password.

In main() Create Object for classes and access its methods.

[Username="Saveetha",Password="12345"]

For example:

Result

Saveetha 12345

Answer: (penalty regime: 0 %)

Reset answer

```
public class Login
{
    private String UN="Saveetha";
    private String PW="12345";

    class ValidateCredentials
    {
        public void validate()
        {
            System.out.println(UN+" "+PW);
        }
    }

    public static void main(String[] args)
    {
        Login obj=new Login();
        Login.ValidateCredentials cobj=obj.new ValidateCredentials();
        cobj.validate();
    }
}
```

	Expected	Got	
✓	Saveetha 12345	Saveetha 12345	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java a program to implement static **inner class** for the below scenario.

Create a Class "**NetBanking**" with private static member "UserName" [User@123], then

1. Create a static **inner class** "**MailVerifiedAccount**" with a member function "**validate()**" to display "Mail Verified Account ",
2. Create a static **inner class** "**MobileVerifiedAccount**" with a member function "**validate()**" to display "Mobile Verified Account"

In main() access all function using its corresponding Object.

Answer: (penalty regime: 0 %)

Reset answer

```
class NetBanking
{
    private static String username="User@123";
    class MailVerifiedAccount
    {
        void validate()
        {
            System.out.println(username + " is Mail Verified Account");
        }
    }
    class MobileVerifiedAccount
    {
        void validate()
        {
            System.out.println(username + " is Mobile Verified Account");
        }
    }
}
```

	Expected	Got	
✓	User@123 is Mail Verified Account User@123 is Mobile Verified Account	User@123 is Mail Verified Account User@123 is Mobile Verified Account	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program using Method Local Inner Class for below Scenario

write a Java Program using Method Local **Inner Class** for below Scenario.

Create a class "Department" with

1. String value "Financial and Management Department"
2. Create display() have String "ABC Industries" and **inner class** as "Inner"
3. **Inner class** print() to display department

In main() access all function using its corresponding Object.

For example:

Result

Department is Financial and Management Department
Company is ABC Industries

Answer: (penalty regime: 0 %)

Reset answer

```
class Department
{
    private String dept="Financial and Management Department";
    class Inner
    {
        private String comp="ABC Industries";
        void display()
        {
            System.out.println("Department is "+dept);
            System.out.println("Company is "+comp);
        }
    }
}

public class Main{
    public static void main(String args[])
    {
        Department.Inner obj = new Department().new Inner();
        obj.display();
    }
}
```

	Expected	Got
✓	Department is Financial and Management Department Company is ABC Industries	Department is Financial and Management Department Company is ABC Industries

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

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TT JAVA MODULE-VI

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/ [M6 - D2 - Multi Level Inheritance \(Home Work\)](#)

Started on	Friday, 25 August 2023, 7:12 AM
State	Finished
Completed on	Friday, 25 August 2023, 7:15 AM
Time taken	3 mins 2 secs
Grade	5.00 out of 5.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Create 3 classes College, Department and Student. Class Student extends Class Department and Class Department extends Class College.

Class College has print_cgeName() and it displays "Saveetha Engineering College"

Class Department has print_deptName() and displays "Computer Science and Engineering"

Class Student has print_stuName and displays "John Briito"

In Main class create Object for Student class and access all methods.

Answer: (penalty regime: 0 %)

```
1 class College
2 {
3     void print_cgeName()
4     {
5         System.out.println("Saveetha Engineering College")
6     }
7 }
8 class Department extends College
9 {
10    void print_deptName()
11    {
12        System.out.println("Computer Science and Engineering")
13    }
14 }
15 class Student extends Department
16 {
17    void print_stuName()
18    {
19        System.out.println("John Britto");
20    }
21 }
22
```

	Expected	Got	
✓	Saveetha Engineering College Computer Science and Engineering John Britto	Saveetha Engineering College Computer Science and Engineering John Britto	✓

Passed all tests: 4/4

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question **2**

Correct

Mark 2.00 out of 2.00

Flag question

Create 3 classes Grand Parent, Parent and Child . Class Child extends Class Parent and Class Parent extends Class Grand Parent. Create Main class to Access all Constructors by using Child class Object .

Grand_Parent Class contains its own Constructor to display "Grand Parent Class"

Parent Class contains its own Constructor to display " Parent Class"

Child Class contains its own Constructor to display " Child Class"

Answer: (penalty regime: 0 %)

```
1 class Grand_Parent
2 {
3     Grand_Parent()
4     {
5         System.out.println("Grand_Parent Class");
6     }
7 }
8 class Parent extends Grand_Parent
9 {
10     Parent()
11     {
12         System.out.println("Parent Class");
13     }
14 }
15 class Child extends Parent
16 {
17     Child()
18     {
19         System.out.println("Child Class");
20     }
21 }
22 public class Mainf
```

	Input	Expected	Got	
✓	---	Grand_Parent Class Parent Class Child Class	Grand_Parent Class Parent Class Child Class	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question **3**

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java program to implement the following Scenario.

Create object for Scanner in "input" class.

In Main class create Object for Balance Class and access all methods.

calc() used to calculate balance of the account after ampunt debited.

i2

For example:

Input	Result
Vinu	Name is Vinu
E12	Account Number is E12
25000	Balance is 20000.0
5000	

Answer: (penalty regime: 0 %)

```
1 import java.util.*;
2 class Employee
3 {
4     String name,id;
5     float basic;
6     Scanner sc = new Scanner(System.in);
7     void get_Details()
8     {
9         name=sc.nextLine();
10        id=sc.nextLine();
11        basic=sc.nextInt();
12    }
13 }
14 class Manager extends Employee
15 {
16     int amt;
17     void get_Allowance()
18     {
19         amt=sc.nextInt();
20     }
21 }
22 class Salary extends Manager
```

	Input	Expected	Got	
✓	Vinu E12 25000 5000	Name is Vinu Account Number is E12 Balance is 20000.0	Name is Vinu Account Number is E12 Balance is 20000.0	✓
✓	Raghavi	Name is Raghavi	Name is Raghavi	✓

✓	Input	Expected	Got	✓
	67000	Count Number is E232	Count Number is E232	
	5000	Balance is -62000.0	Balance is -62000.0	

Passed all tests! ✓

Submit

Marks for this submission: 2.00/2.00.

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TT JAVA MODULE-VI

Started on	Thursday, 24 August 2023, 2:04 PM
State	Finished
Completed on	Thursday, 24 August 2023, 2:18 PM
Time taken	14 mins 44 secs
Grade	5.00 out of 5.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Create 3 classes Shapes, Circle and Area. Class Area extends Class Circle and Class Circle extends Class Shapes.

Class Shapes has print_Shape() and it displays "Shapes Class"

Class Circle has get(), get radius of circle as input from user.

Class Area has calc() , it calculates the area of circle and displays the result.

In Main class create Object for Area class and access all methods.

For example:

Input	Result
2	Shapes Class Area of Circle is 12.56

Answer: (penalty regime: 0 %)

```
1 import java.util.*;
2 class Shapes
3 {
4     void print_Shape()
5     {
6         System.out.println("Shapes Class");
7     }
8 }
9 class Circle extends Shapes
10 {
11     int r;
12     void get()
13     {
14         Scanner sc=new Scanner(System.in);
15         r=sc.nextInt();
16     }
17 }
18 class Area extends Circle
19 {
20     void calc()
21     {
22         double area = 3.14*r*r;
```

	Input	Expected	Got	
✓	2	Shapes Class Area of Circle is 12.56	Shapes Class Area of Circle is 12.56	✓
✓	3	Shapes Class Area of Circle is 28.259999999999998	Shapes Class Area of Circle is 28.259999999999998	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Create 3 classes A, B and C. Class C extends Class B and Class B extends Class A. Each class has an method display(). Call class A's display() from class C.

Class A's display() have statement as "Class A's Display"

Class B's display() have statement as "Class B's Display"

Class C's display() have statement as "Class C's Display"

Answer: (penalty regime: 0 %)

```
1 class Grand_Parent
2 {
3     void display()
4     {
5
6         System.out.println("Class A's display");
7     }
8 }
9 class Parent extends Grand_Parent
10 {
11     void display()
12     {
13         super.display();
14         System.out.println("Class B's display");
15     }
16 }
17 class Child extends Parent
18 {
19     void display()
20     {
21         super.display();
22         System.out.println("Class C's display");
23     }
24 }
```

	Input	Expected	Got	
✓	---	Class A's display Class B's display Class C's display	Class A's display Class B's display Class C's display	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java program to implement the following Scenario.

Create object for Scanner in **"input"** class.

In Main class create Object for Balance Class and access all methods.

calc() used to calculate balance of the account after ampunt debited.

i2

For example:

Input	Result
Vinu	Name is Vinu
E12	Account Number is E12
25000	Balance is 20000.0
5000	

Answer: (penalty regime: 0 %)

```
1 import java.util.*;
2 class Employee
3 {
4     String name,id;
5     float basic;
6     Scanner sc = new Scanner(System.in);
7     void get_Details()
8     {
9         name=sc.nextLine();
10        id=sc.nextLine();
11        basic=sc.nextInt();
12    }
13 }
14 class Manager extends Employee
15 {
16     int amt;
17     void get_Allowance()
18     {
19         amt=sc.nextInt();
20     }
21 }
22 class Salary extends Manager
```

	Input	Expected	Got	
✓	Vinu E12 25000 5000	Name is Vinu Account Number is E12 Balance is 20000.0	Name is Vinu Account Number is E12 Balance is 20000.0	✓
✓	Raghavi	Name is Raghavi	Name is Raghavi	✓

Input	Expected	Got
E232 67000 5000	Account Number is E232 Balance is 62000.0	Account Number is E232 Balance is 62000.0

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

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TT JAVA MODULE-VI

Started on	Thursday, 24 August 2023, 2:21 PM
State	Finished
Completed on	Thursday, 24 August 2023, 2:26 PM
Time taken	5 mins 13 secs
Grade	5.00 out of 5.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Create 3 classes College, Department and Student. Class Student extends Class Department and Class Department extends Class College.

Class College has print_cgeName() and it displays "Saveetha Engineering College"

Class Department has print_deptName() and displays "Computer Science and Engineering"

Class Student has print_stuName and displays "John Briito"

In Main class create Object for Student class and access all methods.

Answer: (penalty regime: 0 %)

Reset answer

```
1 class College
2 {
3     void print_cgeName()
4     {
5         System.out.println("Saveetha Engineering College")
6     }
7 }
8 class Department extends College
9 {
10    void print_deptName()
11    {
12        System.out.println("Computer Science and Engineeri
13    }
14 }
15 class Student extends Department
16 {
17    void print_stuName()
18    {
19        System.out.println("John Britto");
20    }
21 }
22 }
```

	Expected	Got	
✓	Saveetha Engineering College Computer Science and Engineering John Britto	Saveetha Engineering College Computer Science and Engineering John Britto	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Create 4 classes Student, Marks, Total and Average. Class Average extends Class Total and Class Total extends Class Marks. Class Marks extends Class Student. Create Main class to Access all Constructors by using Average class Object .

Student Class contains its own Constructor to display "Student Class"

Marks Class contains its own Constructor to display " Mark Class"

Total Class contains its own Constructor to display " Total Class"

Average Class contains its own Constructor to display " Average Class"

Answer: (penalty regime: 0 %)

Reset answer

```

1 class Student
2 {
3     Student()
4     {
5         System.out.println("Student Class");
6     }
7 }
8 class Marks extends Student
9 {
10     Marks()
11     {
12         System.out.println("Marks Class");
13     }
14 }
15 class Total extends Marks
16 {
17     Total()
18     {
19         super();
20         System.out.println("Total Class");
21     }
22 }
```

	Input	Expected	Got	
✓	---	Student Class Marks Class Total Class Average Class	Student Class Marks Class Total Class Average Class	✓

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java program to implement the following Scenario.

Create object for Scanner in "input" class.

In Main class create Object for Balance Class and access all methods.

calc() used to calculate Salary of the employee.

i3

For example:

Input	Result
Vinu	Employee Name is Vinu
E12	Employee Id is E12
25000	Salary is 30000.0
5000	

Answer: (penalty regime: 0 %)

Reset answer

```
1 import java.util.*;
2 class Employee
3 {
4     String name,id;
5     float basic;
6     Scanner sc = new Scanner(System.in);
7     void get_Details()
8     {
9         name=sc.nextLine();
10        id=sc.nextLine();
11        basic=sc.nextInt();
12    }
13 }
14 class Manager extends Employee
15 {
16     int amt;
17     void get_Allowance()
18     {
19         amt=sc.nextInt();
20     }
21 }
22 class Salary extends Manager
```

	Input	Expected	Got	
✓	Vinu E12 25000 5000	Employee Name is Vinu Employee Id is E12 Salary is 30000.0	Employee Name is Vinu Employee Id is E12 Salary is 30000.0	✓
✓	Raghavi E232 67000 5000	Employee Name is Raghavi Employee Id is E232 Salary is 72000.0	Employee Name is Raghavi Employee Id is E232 Salary is 72000.0	✓

Passed all tests! ✓

Details

Marks for this submission: 2.00/2.00.

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/ [M6 - D3 - Hierarchical Inheritance \(Home Work\)](#)

Started on	Friday, 25 August 2023, 7:09 AM
State	Finished
Completed on	Friday, 25 August 2023, 7:12 AM
Time taken	2 mins 34 secs
Grade	5.00 out of 5.00 (100%)

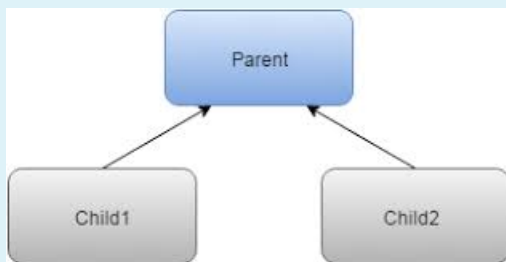
Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Implement the Java Program for below Scenario.



Parent have method "display" to display "This is Parent Class".

Child1 have method "print" to display "This is Child1 Class"

Child1 have method "print" to display "Child2 Class".

In Main create object for both child1 and child2 and access its member function.

For example:

Input	Result
---	This is Parent Class This is Child1 Class This is Parent Class This is Child2 Class

Answer: (penalty regime: 0 %)

```
1 class Parent
2 {
3     void display()
4     {
5         System.out.println("This is Parent Class");
6     }
7 }
8 class Child1 extends Parent
9 {
10    void print()
11    {
12        System.out.println("This is Child1 Class");
13    }
14 }
```



```

14 }
15 class Child2 extends Parent
16 {
17     void print()
18     {
19         System.out.println("This is Child2 Class");
20     }
21 }
22 public class Main

```

	Input	Expected	Got	
✓	---	This is Parent Class This is Child1 Class This is Parent Class This is Child2 Class	This is Parent Class This is Child1 Class This is Parent Class This is Child2 Class	✓

Passed all tests! ✓

Submit

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Write the Java Program for below Scenario.

i7

Every employee has a standard salary of Rs.50000. For a full-time employee, increment the salary by 50%, and increment the salary by 25% for an intern. Before and After increasing the salary, display the salary.

For example:

Input	Result
---	Salary of a full-time employee before incrementing: Employee Salary: Rs.50000.0 Salary of an intern before incrementing: Employee Salary: Rs.50000.0 Salary of a full-time employee after incrementing: Employee Salary: Rs.75000.0 Salary of an intern after incrementing: Employee Salary: Rs.62500.0

Answer: (penalty regime: 0 %)

```

1 class Employee{
2     double salary=50000.0;
3     void DisplaySalary()
4     {
5         System.out.println("Salary of a full-time employee
6         System.out.println("Employee Salary: Rs."+salary);
7         System.out.println("Salary of an intern before inc
8         System.out.println("Employee Salary: Rs."+salary);
9     }
10 }
11 }
12 class FullTimeEmployee extends Employee
13 {
14     double hike=0.5;
15     void IncrementSalary()

```

```

16 {
17     double amt=hike*salary;
18     salary+=amt;
19     System.out.println("Salary of a full-time employee
20     System.out.println("Employee Salary: Rs."+salary);
21 }
22

```

	Input	Expected	Got
✓	---	Salary of a full-time employee before incrementing: Employee Salary: Rs.50000.0 Salary of an intern before incrementing: Employee Salary: Rs.50000.0 Salary of a full-time employee after incrementing: Employee Salary: Rs.75000.0 Salary of an intern after incrementing: Employee Salary: Rs.62500.0	Salary of a full-time employee before Employee Salary: Rs.50000.0 Salary of an intern before incrementin Employee Salary: Rs.50000.0 Salary of a full-time employee after i Employee Salary: Rs.75000.0 Salary of an intern after incrementing Employee Salary: Rs.62500.0

Passed all tests! ✓

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program for below Scenario.

i7

1. Vehicle Class have constructor to display "Vehicle class has 3 Child Class "
2. Car Class constructor call its parent constructor and display "Car is the one of the Child of Vehicle Class"
3. Truck Class constructor call its parent constructor and display "Truck is the one of the Child of Vehicle Class"
4. Bus Class constructor call its parent constructor and display "Bus is the one of the Child of Vehicle Class"

In Main class create object for Child class and access its corresponding Constructor

For example:

Input	Result
---	Vehicle class has 3 Child Class Car is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Truck is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Bus is the one of the Child of Vehicle Class

Answer: (penalty regime: 0 %)

```

1 class Vehicle
2 {
3     Vehicle()
4     {
5         System.out.println("Vehicle class has 3 Child Clas
6     }
7 }
8 class Car extends Vehicle
9 {
10     Car()

```

```
11 {
12     System.out.println("Car is the one of the Child of
13 }
14 }
15 class Truck extends Vehicle
16 {
17     Truck()
18 {
19     System.out.println("Truck is the one of the Child
20 }
21
22
```

	Input	Expected	Got
✓	---	Vehicle class has 3 Child Class Car is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Truck is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Bus is the one of the Child of Vehicle Class	Vehicle class has 3 Child Class Car is the one of the Child of Vehicle Clas Vehicle class has 3 Child Class Truck is the one of the Child of Vehicle C Vehicle class has 3 Child Class Bus is the one of the Child of Vehicle Clas
Passed all tests! ✓			
<div>⏪</div>			
<div>Submit</div>			
Marks for this submission: 2.00/2.00.			

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Started on	Thursday, 24 August 2023, 2:28 PM
State	Finished
Completed on	Thursday, 24 August 2023, 2:32 PM
Time taken	4 mins 12 secs
Grade	5.00 out of 5.00 (100%)

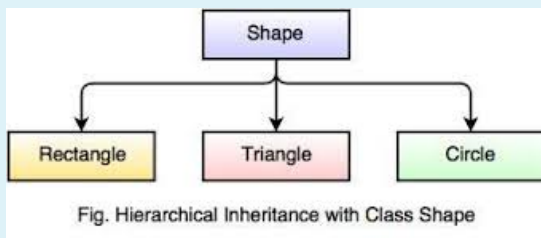
Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Implement the Java Program for below Scenario



Shape Class have method " display" to display "Shape Class".

Rectangle Class have method "Show" to display "Rectangle Class"

Triangle Class have method "Show" to display "Triangle Class"

Circle Class have method "Show" to display "Circle Class"

In Main create object for Rectangle, Triangle, Circle and access parent and its member function.

For example:

Input	Result
---	Shape Class Rectangle Class Shape Class Triangle Class Shape Class Circle Class

Answer: (penalty regime: 0 %)

```
1 class Shape
2 {
3     void display()
4     {
5         System.out.println("Shape Class");
6     }
7 }
8 class Rectangle extends Shape
9 {
10    void Show()
11    {
12        System.out.println("Rectangle Class");
13    }
14 }
15 class Triangle extends Shape
16 {
```

```

10 }
17     void Show()
18     {
19         System.out.println("Triangle Class");
20     }
21 }
22 class Circle extends Shape

```

	Input	Expected	Got	
✓	---	Shape Class Rectangle Class Shape Class Triangle Class Shape Class Circle Class	Shape Class Rectangle Class Shape Class Triangle Class Shape Class Circle Class	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Write the Java Program for below Scenario.

i7

Every employee has a standard salary of Rs.50000. For a full-time employee, increment the salary by 50%, and increment the salary by 25% for an intern. Before and After increasing the salary, display the salary.

For example:

Input	Result
---	Salary of a full-time employee before incrementing: Employee Salary: Rs.50000.0 Salary of an intern before incrementing: Employee Salary: Rs.50000.0 Salary of a full-time employee after incrementing: Employee Salary: Rs.75000.0 Salary of an intern after incrementing: Employee Salary: Rs.62500.0

Answer: (penalty regime: 0 %)

```

1 class Employee{
2     double salary=50000.0;
3     void DisplaySalary()
4     {
5         System.out.println("Salary of a full-time employee
6         System.out.println("Employee Salary: Rs."+salary);
7         System.out.println("Salary of an intern before inc
8         System.out.println("Employee Salary: Rs."+salary);
9     }
10 }
11 }
12 class FullTimeEmployee extends Employee
13 {
14     double hike=0.5;
15     void IncrementSalary()

```

```

16 {
17     double amt=hike*salary;
18     salary+=amt;
19     System.out.println("Salary of a full-time employee
20     System.out.println("Employee Salary: Rs."+salary);
21 }
22

```

	Input	Expected	Got
✓	---	Salary of a full-time employee before incrementing: Employee Salary: Rs.50000.0 Salary of an intern before incrementing: Employee Salary: Rs.50000.0 Salary of a full-time employee after incrementing: Employee Salary: Rs.75000.0 Salary of an intern after incrementing: Employee Salary: Rs.62500.0	Salary of a full-time employee before incrementing: Employee Salary: Rs.50000.0 Salary of an intern before incrementing: Employee Salary: Rs.50000.0 Salary of a full-time employee after incrementing: Employee Salary: Rs.75000.0 Salary of an intern after incrementing: Employee Salary: Rs.62500.0

Passed all tests! ✓

Correct

Marks for this submission: 2.00/2.00.

Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program for below Scenario.

i7

1. Vehicle Class have constructor to display "Vehicle class has 3 Child Class "
2. Car Class constructor call its parent constructor and display "Car is the one of the Child of Vehicle Class"
3. Truck Class constructor call its parent constructor and display "Truck is the one of the Child of Vehicle Class"
4. Bus Class constructor call its parent constructor and display "Bus is the one of the Child of Vehicle Class"

In Main class create object for Child class and access its corresponding Constructor

For example:

Input	Result
---	Vehicle class has 3 Child Class Car is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Truck is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Bus is the one of the Child of Vehicle Class

Answer: (penalty regime: 0 %)

```

1 class Vehicle
2 {
3     Vehicle()
4     {
5         System.out.println("Vehicle class has 3 Child Clas
6     }
7 }
8 class Car extends Vehicle
9 {
10     Car()
11 {

```

```
11 {
12     System.out.println("Car is the one of the Child of Vehicle Class");
13 }
14 }
15 class Truck extends Vehicle
16 {
17     Truck()
18     {
19         System.out.println("Truck is the one of the Child of Vehicle Class");
20     }
21 }
22 }
```

	Input	Expected	Got
✓	---	Vehicle class has 3 Child Class Car is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Truck is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Bus is the one of the Child of Vehicle Class	Vehicle class has 3 Child Class Car is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Truck is the one of the Child of Vehicle Class Vehicle class has 3 Child Class Bus is the one of the Child of Vehicle Class
Passed all tests! ✓			
<div>Tested</div> <div>Marks for this submission: 2.00/2.00.</div>			

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Started on	Thursday, 24 August 2023, 2:34 PM
State	Finished
Completed on	Thursday, 24 August 2023, 2:43 PM
Time taken	8 mins 56 secs
Marks	5.00/5.00
Grade	10.00 out of 10.00 (100%)

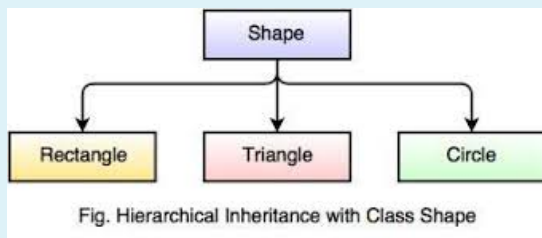
Question 1

Correct

Mark 1.00 out of 1.00

Flag question

Implement the Java Program for below Scenario



Shape Class have method "display" to display "Shape Class".

Rectangle Class have method "Show" to display "Rectangle Class"

Triangle Class have method "Show" to display "Triangle Class"

Circle Class have method "Show" to display "Circle Class"

In Main create object for Rectangle, Triangle, Circle and access parent and its member function.

For example:

Input	Result
---	Shape Class Rectangle Class Shape Class Triangle Class Shape Class Circle Class

Answer: (penalty regime: 0 %)

Reset answer

```
1 class Shape
2 {
3     void display()
4     {
5         System.out.println("Shape Class");
6     }
7 }
8 class Rectangle extends Shape
9 {
10    void Show()
11    {
12        System.out.println("Rectangle Class");
```



```

13     }
14 }
15 class Triangle extends Shape
16 {
17     void Show()
18     {
19         System.out.println("Triangle Class");
20     }
21 }
22 class Circle extends Shape

```

	Input	Expected	Got	
✓	---	Shape Class Rectangle Class Shape Class Triangle Class Shape Class Circle Class	Shape Class Rectangle Class Shape Class Triangle Class Shape Class Circle Class	✓

Passed all tests! ✓

Submit

Marks for this submission: 1.00/1.00.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program to implement the below Scenario.

i8

Student Class have common assessment mark as 5. If Sports Students then extra 5 mark will added to the assessment mark. If Student attended any extra-curriculum activities then extra 4 marks will be added.

For example:

Input	Result
---	Assessment Mark of the Sports Student before before incrementing: Student's Assessment Marks : 5.0 Assessment Mark of the Extra -Curriculum Acitvity Student before before incrementing: Student's Assessment Marks : 5.0 Assessment Mark of the Sports Student after before incrementing: Student's Assessment Marks : 10.0 Assessment Mark of the Extra -Curriculum Acitvity Student after before incrementing: Student's Assessment Marks : 9.0

Answer: (penalty regime: 0 %)

Reset answer

```

1 class Employee{
2     double salary=50000.0;
3     void DisplaySalary()
4     {
5         System.out.println("Assessment Mark of the Sports
6         System.out.println("Assessment Mark of the Extra -
7         System.out.println("Assessment Mark of the Sports
8         System.out.println("Assessment Mark of the Extra -

```

```

9      }
10     }
11 }
12 class FullTimeEmployee extends Employee
13 {
14     double hike=0.5;
15     void IncrementSalary()
16     {
17         double amt=hike*salary;
18         salary+=amt;
19     }
20 }
21 class PartTimeEmployee extends Employee
22 {

```

	Input	Expected	Go
✓	---	Assessment Mark of the Sports Student before before incrementing: Student's Assessment Marks : 5.0 Assessment Mark of the Extra -Curriculum Acitvity Student before before incrementing: Student's Assessment Marks : 5.0 Assessment Mark of the Sports Student after before incrementing: Student's Assessment Marks : 10.0 Assessment Mark of the Extra -Curriculum Acitvity Student after before incrementing: Student's Assessment Marks : 9.0	Ass Stu Ass Stu Ass Stu Ass Stu

Passed all tests! ✓

Submit

Marks for this submission: 2.00/2.00.

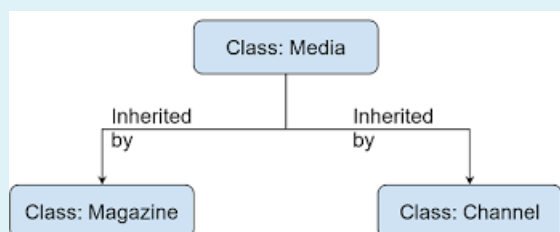
Question 3

Correct

Mark 2.00 out of 2.00

Flag question

Write a Java Program for below Scenario.



1. Media Class have constructor to display "Parent Class is Media"
2. Magazine Class constructor call its parent constructor and display "Magazine is the one of the Child of Media Class"
3. Channel Class constructor call its parent constructor and display "Channel is the one of the Child of Media Class"
4. In Main class create object for Child class and access its corresponding Constructor

For example:

Input	Result
---	Parent Class is Media Magazine is the one of the Child of Media Class Parent Class is Media Channel is the one of the Child of Media Class

Answer: (penalty regime: 0 %)

Reset answer

```
1 class Media
2 {
3     void display()
4     {
5         System.out.println("Parent Class is Media");
6     }
7 }
8 class Magazine extends Media
9 {
10    void print()
11    {
12        System.out.println("Magazine is the one of the Child of Media Class");
13    }
14 }
15 class Channel extends Media
16 {
17     void print()
18     {
19         System.out.println("Channel is the one of the Child of Media Class");
20     }
21 }
22
```

	Input	Expected	Got
✓	---	Parent Class is Media Magazine is the one of the Child of Media Class Parent Class is Media Channel is the one of the Child of Media Class	Parent Class is Media Magazine is the one of the Child of Media Parent Class is Media Channel is the one of the Child of Media C

Passed all tests! ✓

Marks for this submission: 2.00/2.00.

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Started on	Thursday, 24 August 2023, 2:44 PM
State	Finished
Completed on	Thursday, 24 August 2023, 2:48 PM
Time taken	4 mins 13 secs
Grade	19.33 out of 20.00 (97%)

Question 1

Correct

Mark 2.00 out of 2.00

Flag question

Which of the following statements is/are correct?

☒ a.

protected methods of a class can be inherited by sub classes and can become public in the sub classes



☒ b.

public methods of a class can be accessed anywhere in a program



☒ c.

private methods of a class can be accessed only within the class



☐ d.

private methods of a class can be inherited by sub classes and can become protected in the sub classes

Your answer is correct.

Question 2

Correct

Mark 2.00 out of 2.00

Flag question

What standard Java package is automatically imported into every Java program?

☐ a.

java.lang



☒ b.

java.applet

☐ c.

java.io

Your answer is correct.

Question 3

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Which of the following **packages** is used to includes classes like Calendar, Collection, Date?

☐ a.

java.net

☐ b.

java.util



☒ c.

java.awt

☐ d.

java.lang

Your answer is correct.

Question 4

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Choose correct declaration and importing of **packages in Java**

☐ a.

```
import PACKAGE_M.*;  
package SOMEPACKAGE;  
import PACKAGE_N.*;
```

☐ b.

All the above

☐ c.

```
import PACKAGE_N.*;  
package SOMEPACKAGE;
```

☒ d.

```
package SOMEPACKAGE;  
import PACKAGE_N.*;
```



Your answer is correct.

Question 5

Correct

Mark 2.00 out of 2.00

🚩 Flag question

An _____ statement can be used to access the classes and interfaces of a different package from the current package.

☐ a.

Package

☐ b.

include

☐ c.

protected

☒ d.

import



Your answer is correct.

Question 6

Correct

Mark 2.00 out of 2.00

🚩 Flag question

What will be the output of the following Java program?

```
package pkg;  
class output  
{  
    public static void main(String args[])  
    {  
        StringBuffer s1 = new StringBuffer("Hello");  
        s1.setCharAt(1, x);  
        System.out.println(s1);  
    }  
}
```

☐ a.

xello

☐ b.

Hxlllo



☐ c.

xxxxxx

☐ d.

Hexlo

Your answer is correct.

Question 7

Partially correct

Mark 1.33 out of 2.00

Flag question

Which is the correct syntax to import a Java package below?

☒ a.

import PACKAGE1.CLASS1;



☒ b.

import PACKAGE1.*;



☐ c.

import PACKAGE1 ;

☐ d.

import PACKAGE1.PACKAGE2.PACKAGE3.*;

Your answer is partially correct.

You have correctly selected 2.

Question 8

Correct

Mark 2.00 out of 2.00

🚩 Flag question

What will be the output of the following Java program?

```
package pkg;

class output
{
    public static void main(String args[])
    {
        StringBuffer s1 = new StringBuffer("Hello World");
        s1.insert(6, "Good ");
        System.out.println(s1);
    }
}
```

Note : Output.class file is not in directory pkg.

☐ a.

HelloGoodWorld

☐ b.

Compilation error

☒ c.

runtime error



☐ d.

HellGoodoWorld

Your answer is correct.

Question **9**

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Consider the below package structures and choose the correct options:
(Assume package1 and package2 are in the same folder.)

```
package package1;
```

```
public class A {
    private int a;
    protected int b;
    int c;
    public int d;
}
```

```
package package1;
```



```
class B {  
    // Code  
}  
  
package package2;  
  
public class C {  
    // Code  
}  
  
package package2;  
  
import package1.A;  
  
class D extends A {  
    // Code  
}
```

☐ a.

Class C can access variable c of A

☒ b.

Class B can access variable c of A



☒ c.

Class C can access variable d of A



☒ d.

Class D can access variable b of A



☒ e.

Class B can access variable b of A



☐ f.


Class C can access variable b of A

Your answer is correct.

Question **10**

Correct

Mark 2.00 out of 2.00

 Flag question

Predict the output of following Java program

// Note static keyword after import.

```
import static java.lang.System.*;
class StaticImportDemo
{
    public static void main(String args[]) {
        out.println("GeeksforGeeks");
    }
}
```

☐ a.

Compiler error

☐ b.

GeeksforGeeks



☐ c.

Runtime error

Your answer is correct.

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
TT JAVA MODULE-VI

Started on	Thursday, 24 August 2023, 1:19 PM
State	Finished
Completed on	Thursday, 24 August 2023, 1:44 PM
Time taken	25 mins 14 secs
Grade	93.33 out of 100.00

Question 1

Correct

Mark 2.00 out of 2.00

 Flag question

If a variable is declared as private , then it can be used in _____


- ☒ a.
Only in the same class.
- ☐ b.
Any class of same package.
- ☐ c.
Only subclass in that package.
- ☐ d.
Any class of any package.

Your answer is correct.

Question 2

Partially correct

Mark 1.33 out of 2.00

 Flag question

Which is the correct syntax to import a Java package below?

- ☒ a.
`import PACKAGE1.*;`
- ☒ b.
`import PACKAGE1.PACKAGE2.PACKAGE3.*;`
- ☒ c.
`import PACKAGE1 ;`

☒ d.
`import PACKAGE1 ;`

Q.

```
import PACKAGE1.CLASS1;
```



Your answer is partially correct.

You have correctly selected 2.

Question 3

Correct

Mark 20.00 out of 20.00

Flag question

Implement the Java Program for below Scenario

i4

In Main create object for Addition ,Subtraction and access parent and its member function.

For example:

Input	Result
---	Addition of 2 values 15 Subtraction of 2 values 5

Answer: (penalty regime: 0 %)

```
1 class Number{
2     int num1 = 10, num2 = 5;
3     int res = num1 + num2;
4
5     class Addition{
6         public void add(){
7             System.out.println("Addition of 2 values " + r
8         }
9     }
10
11     class Subtraction{
12         public void sub(){
13             res = num1 - num2;
14             System.out.println("Subtraction of 2 values "
15         }
16     }
17 }
18
19 class prog{
20     public static void main(String args[]){
21         Number Addition obj = new Number();
22         Addition obj.add();
23     }
24 }
```

	Input	Expected	Got	
✓	---	Addition of 2 values 15 Subtraction of 2 values 5	Addition of 2 values 15 Subtraction of 2 values 5	✓

Passed all tests! ✓

Summary

Marks for this submission: 20.00/20.00.

Question **4**

Incorrect

Mark 0.00 out of 2.00

🚩 Flag question

Choose correct declaration and importing of **packages in Java**

☐ a.

```
package SOMEPACKAGE;  
import PACKAGE_N.*;
```

☐ b.

All the above

☐ c.

```
import PACKAGE_M.*;  
package SOMEPACKAGE;  
import PACKAGE_N.*;
```

☒ d.

```
import PACKAGE_N.*;  
package SOMEPACKAGE;
```



Your answer is incorrect.

Question **5**

Correct

Mark 2.00 out of 2.00

🚩 Flag question

How does JAVAC or JAVA (JVM) find the **packages** that will be used inside classes by an import statement?

- A) If the **packages** are defined on the same root level as the compiling or running class file, Java knows it.
- B) You should manually use the CLASSPATH or CP command to include the path of the package or single-class for compiling and running
- C) You can copy the JAR files in LIB folder of Java inside Program Files

☐ a.

B and C alone

☐ b.

A and B alone

☐ c.

A and C alone

☒ d.

A, B, C



Your answer is correct.

Question 6

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Choose a correct statement about using the classes or interfaces or abstract classes inside the **packages** in our Java program.

- A) You can extend the class imported from the package.
- B) You can implement the interfaces imported from the package.
- C) You can extend the abstract classes imported from the package.

☒ a.

A, B, C



☐ b.

A and C alone

☐ c.

A and B alone

☐ d.

B and C alone

Your answer is correct.

Question 7

Incorrect

Mark 0.00 out of 2.00

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What will be the output of the following Java program?

```
package pkg;

class output
{
    public static void main(String args[])
    {
        StringBuffer s1 = new StringBuffer("Hello World");
        s1.insert(6 , "Good ");
        System.out.println(s1);
    }
}
```

Note : Output.class file is not in directory pkg.

☒ a.

Compilation error



☐ b.

HellGoodoWorld

☐ c.

runtime error

☐ d.

HelloGoodWorld

Your answer is incorrect.

Question 8

Correct

Mark 2.00 out of 2.00

Flag question

What will be the output of the following Java program?

```
package pkg;
class output
{
    public static void main(String args[])
    {
        StringBuffer s1 = new StringBuffer("Hello");
        s1.setCharAt(1, x);
        System.out.println(s1);
    }
}
```

☐ a.

xello

☐ b.

xxxxx

☐ c.

Hexlo

☒ d.

Hxlllo



Your answer is correct.

Question 9

Correct

Mark 20.00 out of 20.00

Flag question

Write a java program use access modifier public declare tires variable public in vehicle class. In another class assign the value for tires 4 with the help of display function in vehicle class display the output.

For example:

Result

I have a vehicle.
It has 4 tires.

Answer: (penalty regime: 0 %)

```
1 class vehicle{
2     private int tires;
3     vehicle(){
4         System.out.println("I have a vehicle.");
5     }
6
7     void display(int n){
8         this.tires = n;
9         System.out.println("It has " + tires + " tires.");
10    }
11 }
12
13 class prog{
14     public static void main(String args[]){
15         vehicle v = new vehicle();
16         v.display(4);
17     }
18 }
```

	Expected	Got	
✓	I have a vehicle. It has 4 tires.	I have a vehicle. It has 4 tires.	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 10

Correct

Mark 2.00 out of 2.00

Flag question

The name of a package is the name of the ___ in Java.

☐ a.

All parent folders separated by DOT symbols

☐ b.

folder

☐ c.

All parent **packages** separated by DOT symbols

☒ d.

All the above



Your answer is correct.

Question 11

Correct

Mark 20.00 out of 20.00

Flag question

Write a Java to implement Regular **Inner Class** concept for the below Scenario.

Create a class "**Login**" with String type Private members "**User Name** " and "**Password**" and Create a class "**ValidateCredentials**" as **inner class** with public member function "**validate**" to display Username and Password.

In main() Create Object for classes and access its methods.

[Username="Saveetha",Password="12345"]

For example:

Result

Saveetha 12345

Answer: (penalty regime: 0 %)

```
1 class Login{
2     private String u_n = "Saveetha", pass = "12345";
3
4     class ValidateCredentials{
5         void validate(){
6             System.out.println(u_n + " " + pass);
7         }
8     }
9 }
10
11 class prog{
12     public static void main(String args[]){
13         Login.ValidateCredentials obj = new Login().new Valid
14         obj.validate();
15     }
16 }
```

	Expected	Got	
✓	Saveetha 12345	Saveetha 12345	✓

Passed all tests! ✓

Correct

Question **12**

Correct

Mark 2.00 out of 2.00

🚩 Flag question

Predict the output of following Java program

// Note static keyword after import.

```
import static java.lang.System.*;
class StaticImportDemo
{
    public static void main(String args[]) {
        out.println("GeeksforGeeks");
    }
}
```

☐ a.

Compiler error

☒ b.

GeeksforGeeks



☐ c.

Runtime error

Your answer is correct.

Question **13**

Incorrect

Mark 0.00 out of 2.00

🚩 Flag question

What standard Java package is automatically imported into every Java program?

☐ a.

java.lang

☐ b.

java.applet



c.

java.io



Your answer is incorrect.

Question **14**

Correct

Mark 20.00 out of 20.00

Flag question

Write a Java Program for below Scenario.

i5

1. Animal Class have constructor to display "Animal is the Base Class"
2. Dog Class constructor call its parent constructor and display "Dog is the Derived Class of Animal"
3. Cat Class constructor call its parent constructor and display "Cat is the Derived Class of Animal"
4. In Main class create object for Child class and access its corresponding Constructor

For example:

Input	Result
---	Animal is the Base Class Dog is the Derived Class of Animal Animal is the Base Class Cat is the Derived Class of Animal

Answer: (penalty regime: 0 %)

```
1 class Animal{
2     Animal(){
3         System.out.println("Animal is the Base Class");
4     }
5 }
6
7 class Dog extends Animal{
8     Dog(){
9         System.out.println("Dog is the Derived Class of An
10    }
11 }
12
13 class Cat extends Animal{
14     Cat(){
15         System.out.println("Cat is the Derived Class of An
16     }
17 }
18
19 class prog{
20     public static void main(String args[]){
21         Dog d = new Dog();
22         Cat c = new Cat();
```

	Input	Expected	Got	
✓	---	Animal is the Base Class Dog is the Derived Class of Animal Animal is the Base Class Cat is the Derived Class of Animal	Animal is the Base Class Dog is the Derived Class of Animal Animal is the Base Class Cat is the Derived Class of Animal	✓

		Cat is the derived class of Animal	Cat is the derived class of Animal	
	Input	Expected	Got	

Passed all tests! ✓

100%

Marks for this submission: 20.00/20.00.

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