HCL TSS ASSESSMENT

# DQ\_SE\_DAY\_9

## Q1 SE,Difficult

| State which of the following is not true? | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | Some methods in an interface can be implemented and can have a body |  | *100* |
|  | All methods in a class need not be abstract |  | *0* |
|  | All methods in an interface are public abstract by default |  | *0* |
|  | class implementing an interface should implement all abstract methods of the interface or it should be declared as abstract class |  | *0* |
|  | General feedback: |  |  |
|  | For any correct response: | Your answer is correct. |  |
|  | For any incorrect response: | Your answer is incorrect. |  |
|  | Hint 1: |  |  |
|  | Show the number of correct responses (Hint 1): | No |  |
|  | Clear incorrect responses (Hint 1): | No |  |
|  | Tags: |  |  |
| *Allows the selection of a single or multiple responses from a pre-defined list. (MC/MA)* | | |  |

## Q2 SE,Easy

| State which of the following is not true? | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | Instance of an abstract class can’t be created |  | 0 |
|  | class can implement two interfaces |  | 0 |
|  | class can inherit from two base classes |  | 100 |
|  | final method cannot be overriden |  | 0 |
|  | General feedback: |  |  |
|  | For any correct response: | Your answer is correct. |  |
|  | For any incorrect response: | Your answer is incorrect. |  |
|  | Hint 1: |  |  |
|  | Show the number of correct responses (Hint 1): | No |  |
|  | Clear incorrect responses (Hint 1): | No |  |
|  | Tags: |  |  |
| *Allows the selection of a single or multiple responses from a pre-defined list. (MC/MA)* | | |  |

## Q3 SE,Medium

| State which of the following is not true? | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | Variable declared in an interface is by default public static final  and it’s value can’t be changed. |  | 0 |
|  | protected method can be accessed in derived class but only from same package |  | 100 |
|  | Trying to invoke method on null reference will throw Runtime error - NullPointerException |  | 0 |
|  | abstract methods can’t have body |  | 0 |
|  | General feedback: |  |  |
|  | For any correct response: | Your answer is correct. |  |
|  | For any incorrect response: | Your answer is incorrect. |  |
|  | Hint 1: |  |  |
|  | Show the number of correct responses (Hint 1): | No |  |
|  | Clear incorrect responses (Hint 1): | No |  |
|  | Tags: |  |  |
| *Allows the selection of a single or multiple responses from a pre-defined list. (MC/MA)* | | |  |

## Q4 SE,Medium

| State which of the following is true? | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | public property/method means it can be accessed outside the package also |  | 0 |
|  | protected method is accessible to derived class in another package |  | 0 |
|  | class with default access modifier is visible only inside same package |  | 0 |
|  | All of the above |  | 100 |
|  | General feedback: |  |  |
|  | For any correct response: | Your answer is correct. |  |
|  | For any incorrect response: | Your answer is incorrect. |  |
|  | Hint 1: |  |  |
|  | Show the number of correct responses (Hint 1): | No |  |
|  | Clear incorrect responses (Hint 1): | No |  |
|  | Tags: |  |  |
| *Allows the selection of a single or multiple responses from a pre-defined list. (MC/MA)* | | |  |

## Q5 SE,Difficult

| What will be the output of below code?  class Emp  {  static int ct;  static  {  ct=0;  }  Emp()  {  ct++;  }    }  class Main  {  public static void main(String[] args)  {  System.out.println(Emp.ct);  Emp ob = new Emp();  Emp ob1 = new Emp();  System.out.println(Emp.ct);  }  } | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | Yes |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | Compiler error |  | 0 |
|  | Runtime error |  | 0 |
|  | 0  2 |  | 100 |
|  | 2  2 |  | 0 |
|  | General feedback: |  |  |

## Q6 SE,Medium

| Bounceable is an interface and it has single abstract method – bounce()  Class Ball implements Bounceable and correctly overrides the bounce method in it.  State which of the following is not true for below code:-  Bounceable b = new Ball();  b.bounce(); | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | bounce() method of interface Bounceable is called/executed |  | 100 |
|  | bounce() method of class Ball is called/executed |  | 0 |
|  | above code depicts how to use runtime polymorphism |  | 0 |
|  | For code to compile without error bounce() method should be present in Bounceable interface as reference b is of type Bounceable |  | 0 |
|  | General feedback: |  |  |
|  | For any correct response: | Your answer is correct. |  |
|  | For any incorrect response: | Your answer is incorrect. |  |
|  | Hint 1: |  |  |
|  | Show the number of correct responses (Hint 1): | No |  |
|  | Clear incorrect responses (Hint 1): | No |  |
|  | Tags: |  |  |
| *Allows the selection of a single or multiple responses from a pre-defined list. (MC/MA)* | | |  |

## Q7 SE,Medium

| State what is output for below code when you compile and run it?  public interface Bounceable  {  public void bounce();  }  class Tyre extends Bounceable  {  public void bounce()  {  System.out.println(“Tyre is bounceable…”);  }  }  public class MainApp  {  public static void main(String[] args)  {  Bounceable b = new Tyre();  b.bounce();  }  } | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | Compiler error as class can’t extend an interface |  | 100 |
|  | Code will compile fine and on running will print output as “Tyre is bounceable…” |  | 0 |
|  | Runtime error |  | 0 |
|  | None of the above |  | 0 |

## Q8 SE,Medium

| State which of the following is true? | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | split method of the String class is used to split the String into the String array based on given delimiter/separator |  | 0 |
|  | If we pass “10” to Integer.parseInt(String) method then it will convert String “10” into int 10 |  | 0 |
|  | trim() method of String class is used to trim/remove any extra spaces added in the beginning or end of the String. |  | 0 |
|  | All of the above are true |  | 100 |
|  | General feedback: |  |  |
|  | For any correct response: | Your answer is correct. |  |
|  | For any incorrect response: | Your answer is incorrect. |  |
|  | Hint 1: |  |  |
|  | Show the number of correct responses (Hint 1): | No |  |
|  | Clear incorrect responses (Hint 1): | No |  |
|  | Tags: |  |  |
| *Allows the selection of a single or multiple responses from a pre-defined list. (MC/MA)* | | |  |

## Q9 SE,Easy

| State which of the following is true? | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | nextLine() method of Scanner is used to read in entire String (with spaces in between) till the end of line when you press enter. |  | 0 |
|  | When you declare a variable as static and final both then you should to initialize it at the time of declaration only.  Once initialized its value can’t change so it acts like compile time constant. |  | 0 |
|  | toString() method of Object class is implemented in such a way that it displays packagename.classname@hashcode value of an object as its output |  | 0 |
|  | All of the above |  | 100 |
|  | General feedback: |  |  |
|  | For any correct response: | Your answer is correct. |  |
|  | For any incorrect response: | Your answer is incorrect. |  |
|  | Hint 1: |  |  |
|  | Show the number of correct responses (Hint 1): | No |  |
|  | Clear incorrect responses (Hint 1): | No |  |
|  | Tags: |  |  |
| *Allows the selection of a single or multiple responses from a pre-defined list. (MC/MA)* | | |  |

## Q10 SE,Difficult

| State what will be the output for below code?  interface Rollable  {  void roll();  }  interface Bounceable  {  void bounce();  }  class Ball implements Rollable  {  public void roll()  {  System.out.println(“Ball is rolling…”);  }  }  class MainApp  {  public static void main(String[] args)  {  Bounceable b = new Ball();  b.bounce();  }  } | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | It will print output as:-  Ball is rolling… |  | 0 |
|  | Compiler error  as Ball object cannot be assigned to Bounceable reference.  Since Ball class does not implement Bounceable interface, it’s object can’t be assigned to Bounceable reference. |  | 100 |
|  | Runtime error |  | 0 |
|  | None of the above |  | 0 |
|  | General feedback: |  |  |
|  | For any correct response: | Your answer is correct. |  |
|  | For any incorrect response: | Your answer is incorrect. |  |
|  | Hint 1: |  |  |
|  | Show the number of correct responses (Hint 1): | No |  |
|  | Clear incorrect responses (Hint 1): | No |  |