HCL TSS ASSESSMENT

# DQ\_SE\_DAY\_8

## 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 |
|  | this can be used between local and  instance variables when their names are same |  | *0* |
|  | this is hidden/implicit reference that refer to current object |  | *0* |
|  | super keyword is used inside the instance method to refer to current object properties |  | *100* |
|  | super.methodName() is used to call base/original method from inside the overridden method |  | *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 |
|  | Constructor overloading is correct even if function name and argument list is same |  | 100 |
|  | Constructor overloading is an example of static/compile time  polymorphism |  | 0 |
|  | For method overloading to work properly argument list should differ, return type may or may not  be same |  | 0 |
|  | Function overriding is an example of runtime polymorphism |  | 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 what will be output of below program? (ename is property of Employee class)  Employee e = new Employee(1,”Ram”,30000);  Employee e1=e;  e1.setEname(“Shyam”);  System.out.println(e.ename); | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | Ram |  | 0 |
|  | Runtime error |  | 0 |
|  | Shyam |  | 100 |
|  | Compiler error: e1 does not point  to Employee object |  | 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 |
|  | class can have only two access modifiers – public or default |  | 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 happen when we try to compile and run below code?  (Assume class Student is already there and below code is written in Main class main method)  Line no1: Student s= new Student(“Mary”);  Line no 2: s=null;  Line no 3: System.out.println(s.getName()); | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | Yes |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | Runtime error: NullPointerException on line no 3 as getName() method is called on null reference. |  | 100 |
|  | Compiler error as cannot assign null to Student reference |  | 0 |
|  | It will print output as - Mary |  | 0 |
|  | It will print output as - null |  | 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)* | | |  |

## Q6 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 |
|  | package statement if at all present should always be the first statement in the class |  | 0 |
|  | Call to super(…) should always be first statement inside derived class constructor |  | 0 |
|  | import statement cannot make class with default access in another package visible just by importing it.  i.e. import does not change the visibility level of the imported class |  | 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)* | | |  |

## Q7 SE,Difficult

| State which of following is not true for below code?  (Assume proper code is inserted in place of …. )  package hr;  class Emp  {  int empid;  String ename;  double salary;  public double calcAnnSal()  {  return this.salary \* 12;  }  }  class Manager extends Employee  {  int commission;  int teamCount;  ….    public double calcAnnSal()  {  return super.calcAnnSal() + this.commission;  }  }  public class MainApp  {  public static void main(String[] args)  {  Emp e = new Manager(……);  e.calcAnnSal();  }  } | | | MC |
| --- | --- | --- | --- |
| Default mark: | | | 1 |
| Shuffle the choices? | | | No |
| Number the choices? | | | A |
| Penalty for each incorrect try: | | | 0 |
| 1. # | Answers | Feedback | Grade |
|  | It will call calcAnnSal() of Employee |  | 100 |
|  | It will call calcAnnSal() of Manager |  | 0 |
|  | calcAnnSal() is overridden in Manager class |  | 0 |
|  | Calling calcAnnSal() on Employee reference is an example of runtime polymorphism |  | 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 |
|  | arrays are treated as object is java and created using new keyword |  | 0 |
|  | int[] arr = new int[3];  above statement will allocate memory for array object to store 3 int values. |  | 0 |
|  | for(int i:arr)  { System.out.println(i); }  Above code statement is For Each loop to print all elements in an integer array |  | 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 |
|  | String class has concat() method to concatenate two String objects |  | 0 |
|  | String class has equalsIgnoreCase() method to compare if two Strings are equal by ignoring their case. |  | 0 |
|  | String class has charAt(index) method to print character at a particular index position in a String |  | 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,Easy

| State which of the following is not true for below code?  (Assume proper code inserted in place of …. )  class Dept  {  …  }  class Emp  {  …  }  class MainApp  {  public static void main(String[] args)  {  Emp e = new Emp(…);  if( e instanceof Dept)  {  System.out.println(“e is of type Dept”);  }  else  {  System.out.println(“e is not of type Dept”);  }  }  } | | | 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:-  e is of type Dept |  | 0 |
|  | Compiler error  as instanceof can be used only to check object of same type or type that are compatible to each other because of inheritance. |  | 100 |
|  | It will print output as:-  e is not of type Dept |  | 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 |  |
|  | Tags: |  |  |