Assessment #01

Object-Orientated Programming

1. In one sentence each, explain the following:
   1. Object
   2. Class
   3. Attributes
   4. Methods
   5. Encapsulation
   6. Information Hiding
   7. Abstraction
   8. Composition
   9. Inheritance
   10. Polymorphism
2. Write a Java program to check if a number is odd or even.
3. Write a Java program to check if a number is prime.
4. Write a Java program to calculate a Fibonacci sequence.
5. Write a Jaca program to do a BubbleSort of an array.

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| e-mail me a completed solution in a Word document before 9th of November  e-mail to [Damian.X.Gordon@TUDublin.ie](mailto:Damian.X.Gordon@TUDublin.ie) with subject heading “DT249 OOP Ass #01” |