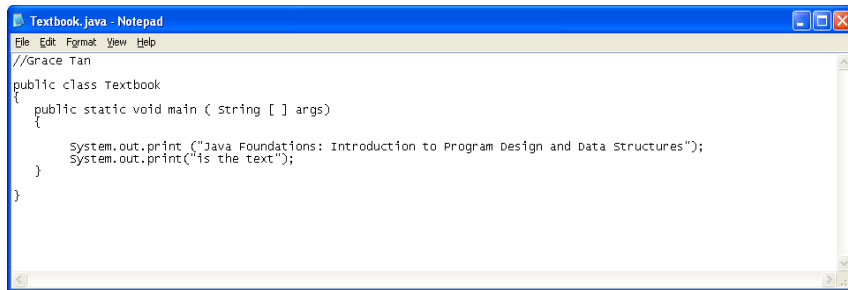


NIT2112 Object Oriented Programming Tutorial 1

1. When was the programming language Java created, and why did its popularity increase in the mid 1990's?
2. Examine the following Java program and identify the class name, the class header and the class body.



```
Textbook.java - Notepad
File Edit Format View Help
//Grace Tan
public class Textbook
{
    public static void main ( String [ ] args)
    {
        System.out.print ("Java Foundations: Introduction to Program Design and Data Structures");
        System.out.print ("is the text");
    }
}
```

3. For the above Java program, identify the method called main and the method body.
4. What is Java bytecode?
5. What are the two basic steps to get the Java program shown above (Q4) to run on a computer?
6. Suppose you define a class named `Ni ceCl ass` in a file. What name should the file have?
7. Suppose you compile the class `Ni ceCl ass`. What will be the name of the file with the resulting byte-code? How would you get this code to run?
8. Assume you have the following java code for class `ECB1121` typed in a text editor like Notepad.

```
public class ECB1121
{
    public static void main(String [ ] args) {
        System.out.println ("Welcome to Victoria University");
    }
}
```

- a) What name should you save this file as?
 - b) List the steps you would need to take to display the message in a console window.
 - c) How would you add a comment with your name and student id number to the code?
 - d) What would happen to the output if you added a paragraph of white space between the first and second lines of the above code?
 - e) Add an additional line to the message that prints out the name of your programming lecturer.
 - f) What would happen if you added an additional opening or closing bracket to the end of the program?
9. Write code for a java class `MyDetails` that prints out your name, your tutor's name and your scheduled weekly tutorial time.
 10. Name the four basic activities that are involved in a software development process.