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INFORMATION TECHNOLOGY FOR CLASS 12

(Study materials based on N.C.E.R.T)

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## INTRODUCTION TO COMPUTERS, PROGRAMS AND JAVA

### 1. Basic concepts in Java

- ❖ Documentation section: This section is not compiled by Java compiler. In this section only title of program is written for understanding of programmer. Title of program can be given using single line or multiline Comments.
  - a) Single line comment written by `//.....`
  - b) Multi line comment written by `/* -----*/`.
- ❖ Package statement:
  - a) This statement is used by programmer whenever they want to create a package. Package is collection of classes and interface.
  - b) It is an optional statement. Package statement is written as,  
Package Package Name;
- ❖ Import statement:
  - a) This statement is used to include java packages or user defined packages in to the program.
  - b) For example, to include java input output package user can use following statement.
- ❖ Interface statement:
  - a) Interface statement is added to program when we want to achieve multiple inheritances.
  - b) Interface statement is written as,  
Interface interface Name;
- ❖ Class Definition:
  - a) As java is pure object oriented so each and every code will comes under a class, which consist of main() method ().
  - b) The syntax of main () is as follows:  
Public static void main (String args [])
  - c) Meaning of this line as follows:
    - Public: main ( ) method access specifies is public so it is accessible by all.
    - Static: main ( ) method is not related with any of the object of class.
    - Void: main ( ) method does not returns anything.
    - String args [ ]” all command line arguments will be stored in args [] array

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