



Path Setting - JAVA

Structure of Programming

Structure of Java program

- Documentation Section
- Package Statement
- Import Statements
- Interface Statement
- Class Definition
- Main Method Class
 - Main Method Definition

```
1 //Sample Program
2 import java.util.*
3 interface MyInterface
4 {
5     public void method();
6 }
7 class Sample implements MyInterface
8 {
9     public void method()
10    {
11        System.out.println("Sample");
12    }
13    public static void main(String arg[])
14    {
15        MyInterface obj = new Demo();
16        obj.method();
17    }
18 }
```

Documentation Section

Import statement

Interface statement

Main method class

Method definition

Main method definition

Documentation Section

- Comment line
- Comments are beneficial for the programmer
- Optional
- Used in Corporate programs

Package Statement

- Package is a group of classes
- Optional
- Keyword
- if you want to declare many classes within one element, then you can declare it within a package

Import Statement

- Keyword
- Used to import built-in and user-defined packages into your java source file
- Use the '*' character to declare all the classes belonging to the package.
- Can import both Built in packages and user defined packages

Interface Statement

- Keyword
- Optional
- Similar to classes
- Includes a group of method declarations
- Can be used when programmers want to implement multiple inheritances within a program

Class Definition

- Java can contain multiple classes
- Class is the most important segment inside a java program
- A class declaration is made up of the following parts:
 - Modifiers
 - Keywords
 - Class name
 - Class body within curly brackets
{ }

Main method class

- Java stand-alone program requires the main method as the starting point of the program
- There may be many classes in a Java program, and only one class defines the main method
- Methods contain data type declaration and executable statements.

Question 1

Java source code is compiled into _____

- A)** Source code
- B)** Byte code
- C)** .obj
- D)** .exe

Question 2

Which of the tool is used to compile java code ?

- A)** java
- B)** javadoc
- C)** jar
- D)** javac

What is javac?

Question 3

Which of the following tool used to execute java code.

- A)** java
- B)** javadoc
- C)** jar
- D)** javac

Question 4

What is use of interpreter?

- A)** They convert bytecode to machine language code
- B)** They read high level code and execute them
- C)** They are intermediated between JIT and JVM
- D)** It is a synonym for JIT

Question 4

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THANK YOU