Fundamentals of Java

Assignment Questions

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1.what is a programming language

Ans.**A programming language is a computer language that is used by programmers (developers) to communicate with computers.It is a set of instructions written in any specific language (C, C++, Java, Python) to perform a specific task.**

2.why do we need a programming language.

Ans.**Programming languages use classes and functions that control commands. The reason that programming is so important is that it directs a computer to complete these commands over and over again, so people do not have to do the task repeatedly. Instead, the software can do it automatically and accurately.**

3.What are the features of java.

Ans.**Simple.**
- **Object-Oriented.**
- **Platform Independent.**
- **Portable.**
- **Robust.**
- **Secure.**
- **Interpreted.**
- **Multi-Threaded.**

4.what is an object.

Ans.**A Java object is a member (also called an instance) of a Java class. Each object has an identity, a behavior and a state. The state of an object is stored in fields (variables), while methods (functions) display the object's behavior. Objects are created at runtime from templates, which are also known as classes.**

5.what is a class.

Ans.**A class — in the context of Java — is a template used to create objects and to define object data types and methods. Classes are categories, and objects are items within each category. All class objects should have the basic class properties.**

6.Explain about the main() method in java.

Ans. **The Java main method is usually the first method you learn about when you start programming in Java because its the entry point for executing a Java program. The main method can contain code to execute or call other methods, and it can be placed in any class that's part of a program.**

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