**Java Interview Preparation**

**Java Basic**

**1. What is an Object in Java?**

An entity that has state and behavior is known as an object e.g., chair, bike, marker, pen, table, car, etc. It can be physical or logical (tangible and intangible).

**Object Definitions:**

* An object is a real-world entity.
* An object is a runtime entity.
* The object is an entity which has state and behavior.
* The object is an instance of a class.

**2. What is a Class in Java?**

A class is a group of objects which have common properties. It is a template or blueprint from which objects are created. It is a logical entity. It can't be physical.

A class in Java can contain:

* **Fields**
* **Methods**
* **Constructors**
* **Blocks**
* **Nested class and interface**

**Note:** A java file can have any number of classes but it can have only one public class and the file name should be same as public class name.

**# What is the base class in Java from which all classes are derived?**

java.lang.object