



what is class in java?



In Java, a class is a fundamental building block of the language and serves as a blueprint for creating objects. It defines a data type by bundling data (fields) and methods that operate on the data into one single unit.

Here's a breakdown of what a class in Java typically includes:

1. **Fields (or Attributes):** These are variables that hold the data or state of an object created from the class. Each object can have different values for these fields.
2. **Methods:** These are functions or procedures defined within the class that describe the behaviors or actions that the objects of the class can perform. Methods can manipulate the object's fields and perform operations.
3. **Constructors:** Special methods used to initialize objects when they are created. They typically set the initial values for the fields of the class.
4. **Access Modifiers:** Keywords like `public`, `private`, and `protected` that determine the visibility and accessibility of the fields and methods.
5. **Inheritance:** Classes can inherit fields and methods from other classes. This allows for creating a new class that is a specialized version of an existing class.

Here's a simple example of a class in Java:



```
public class Car {
```

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```
private String model;
```

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