1. What is inheritance in java.

In Java, inheritance is a fundamental feature of object-oriented programming

(OOP) that allows a class to inherit properties and behavior from another class. It

is a mechanism by which one class, called the subclass or derived class, can

acquire the attributes and methods of another class, known as the superclass or

base class.

2. What is superclass and subclass.

A class that is derived from another class is called a subclass (also a

derived class, extended class, or child class). The class from which the

subclass is derived is called a superclass (also a base class or a parent

class).

3. How is inheritanc implemented/achieved in java.

Inheritance in java is one of the core concepts of Object-Oriented

Programming. Java Inheritance is used when we have is-a relationship

between objects. Inheritance in Java is implemented using extends

Keyword.

4. What is polymorphism.

Polymorphism means "many forms", and it occurs when we have many

classes that are related to each other by inheritance. Like we specified in

the previous chapter; Inheritance lets us inherit attributes and methods

from another class. Polymorphism uses those methods to perform different

Tasks.

5. Differentiate between method overloading and overriding.

When the method signature (name and parameters) are the same in the

superclass and the child class, it's called overriding. When two or more

methods in the same class have the same name but different parameters,

it's called overloading.