

Overloading

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A polymorphism that exhibited during compilation is called static polymorphism in java. In static polymorphism, the behavior of a method is decided at compile-time.

Hence, Java compiler binds method calls with method definition/body during compilation. Therefore, this type of polymorphism is also called compile-time polymorphism in Java.

- Method Signature
- When to use Method overloading
- Automatic Type Promotion

Method definition

```
public int add(int x, int y)
{
    int result = x + y;
    return result;
}
```

- method declaration (header)
 - ◆ Access modifier
 - ◆ Return type
 - ◆ Method name
 - ◆ Input parameters
- method body

Interview Questions