Static Binding vs Dynamic binding Java

Here are a few important `differences between static and dynamic binding in Java` written in point format. knowledge of static and dynamic binding is required to understand Java code and find out any bugs and issues while running a Java program. It also helps in troubleshooting and debugging in Java.

1) Static binding in Java occurs during `Compile time` while Dynamic binding occurs during `Runtime`.

2) `private`, `final` and `static` methods and variables use static binding and are bonded by the compiler while virtual methods are bonded during runtime based upon runtime object.

3) Static binding uses `Type(Class in Java)` information for binding while Dynamic binding uses `Object` to resolve to bind.

3) Overloaded methods are bonded using static binding while overridden methods are bonded using dynamic binding at runtime. Here is an example that will help you to understand both static and dynamic binding in Java.