Difference Between Method Overloading and Method Overriding:

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| Method Overriding | Method Overloading |
| 1.It has a same method name and same parameters. | 1.It has a same method name but different parameters(Diff.Datatypes). |
| 2. Method overloading is a compile-time polymorphism. | 2. Method overriding is a run-time polymorphism. |
| 3. It occurs within the class. | 3. It is performed in two classes with inheritance relationships. |
| 4. Method overloading may or may not require inheritance. | 4. Method overriding always needs inheritance. |
| 5. Poor Performance due to compile time polymorphism. | 5. It gives better performance. The reason behind this is that the binding of overridden methods is being done at runtime. |
| 6. Private and final methods can be overloaded. | 6. Private and final methods can’t be overridden. |
| 7. Argument list should be different while doing method overloading. | 7. Argument list should be same in method overriding. |