**Polymorphism**

1] Polymorphism is one of the OOPs feature that can be defined as ability to take multiple forms.

2] There are two types of polymorphism in Java: compile-time polymorphism (Static Polymorphism) and runtime polymorphism (Dynamic Polymorphism).

3] We can perform polymorphism in java by method overloading and method overriding.

|  |  |
| --- | --- |
| **Static Polymorphism** | **Dynamic Polymorphism** |
| 1] It occurs at compile time. | It iccurs at run time. |
| 2] It is also known as static binding and early binding. | It is also known as dynamic binding and late binding. |
| 3] Execution speed is high. | Execution speed is low. |
| 4] Method Overloading is an example of static polymorphism. | Method Overriding is an example of dynamic polymorphism. |
| 5] Static Polymorphism happens in the same class. | Dynamic Polymorphism happens between different classes. |
| 6] Object assignment is not required for static polymorphism. | It is required where a subclass object is assigned to super class object for dynamic polymorphism. |
| 7] Inheritance not involved for static polymorphism. | Inheritance involved for dynamic polymorphism. |