

Distinguish, differentiate, compare and explain what is the difference between Compile time Polymorphism and Run time Polymorphism. Comparison and Differences.

Differences between Compile-time Polymorphism and Run-time Polymorphism

S.No.	Compile-time Polymorphism	Run-time Polymorphism
1	It is implemented through method overloading.	It is implemented through method overriding.
2	It is executed at the compile time since the compiler knows which method to execute depending on the number of parameters and their data.	It is executed at the run time since the compiler does not know the method to be executed, whether it is the base class method that will be called or the derived class method.
3	It is also referred as static polymorphism.	It is also referred as dynamic polymorphism.