**24. Difference between inheritance and polymorphism.**

**Inheritance**

* Inheritance is one in which a new class is created (derived class) that inherits the features from the already existing class (Base class).
* It is basically applied to classes.
* Inheritance can be single, hybrid, multiple, hierarchical and multilevel inheritance.
* It is used in pattern designing.

**polymorphism.**

* Whereas polymorphism is that which can be defined in multiple forms.
* Whereas it is basically applied to functions or methods.
* Whereas it can be compiled- time polymorphism (overload) as well as run-time polymorphism (overriding).
* While it is also used in pattern designing.