OOPS

→ Object class is java.lang package is parent (direct or indirect) of every class. Every class inherits method of Obj

→ Friend function - Not a member of class or member of class but not defined in class but only declared.
   - Friend function has all access as other function of cla but not directly. Always call with object as parameter
   - There will no calling object. [c1.fun1] X
   - Use keyword friend to declare   fun() ✓
   - No membership label while defining   void Complex:: fun ()?
                                          void fun() ✓

→

Compile Time Polymorphism	Run Time Polymorphi
Overloading	Overriding.
Occurs within one class	Occurs in two class : Super class and sub class.
	Use method in child class is already present in paren class.
Return type can be same or different.	Return type is always san
Method call is defined at compile time	Method call is defined by JVM at run time

Access Modifiers

private : Accessible within the class only
default : Accessible within the package (groups of classes)
   2 developers working on different can have 2 class
   of same name. but 2 class of same name are not
   valid within a package. Package follows folder structure
protected : Similar to default but other classes are allowed to
   access protected members. They are only accessible
   in child class
public : Accessible everywhere.

→ Final Keyword
   Variable (local, Instance & class) : No Reinitializati
   Method: No overloading
   Class : No Inheritance

→ API → Application Programming Interface