Q1) Explain the difference between IS-A and Has-A relationship with the help of an example and explain about access modifiers and their accessibility?

Ans: IS-A relationship is a concept in oops that's totally depends on inheritance. Whenever you see a extends or implements keyword in a class declaration, then this class is said to have IS-A relation.

Has-A Relationship: When an object is used as an instance variable of other class Then it is said to have Has-A relationship b/w the objects.

## Example:

In this example, Address is been used as instance of Person class.

Access Modifiers: Access Modifiers defines the accessibility of the class members or class itself.

There are following type of access modifiers supported by java:

Public: The member which are defined by public keyword can be access by every class in any package.

Protected: The member which are defined by public keyword can be access by every class in same package.

Private: The member which are defined by private keyword can be access within class by class methods but not outside the class.

Default: The member which are defined by public keyword can be access by every class in any package.