# Assignment-3

1). What is inheritance?

Ans) Inhertance is the process of creating the new classes from the existing classes by this we can reuse the code and the sub class is inherit the from the super class. There are five types of inheritance they are single inheritance, multiple inheritance, multilevel inheritance, hierarchal inheritance, hybrid inheritance.

2). What is multiple inheritance?

Ans) Multiple inheritance is a feature in java where in a class can inherit the properties of more than a single parent class.

3). What is the use of super keyword?

Ans) The super keyword in Java is a reference to the object of the parent/superclass. Using it, you can refer/call a field, a method or, a constructor of the immediate superclass.

4) What is abstract method?

Ans) A method without no implementation is known as abstract method and also it should always be declared in an abstract class.

5) What is abstract class?

Ans) A class that is declared using abstract keyword is known as abstract class. It can have abstract methods, as well as concrete methods.

6) What is the use of the final modifier?

Ans) 🡪 Final variable is to create constant variables.

🡪Final methods are used to prevent method overriding

🡪Final classes are used to prevent inheritance.

7) What is interface? Write the syntax of the interface?

Ans) Interface: An interface is an abstract class that is used to group related methods with empty bodies.

Syntax:

Interface salary

{

Public void employee ();

Public void Nonteachingemployee ();

}

8) What is a package?

Ans) Java package is a group of similar types of classes, interfaces, and sub-packages. Package in java can be categorized in two form built in package and user defined packages.

9) What is an exception?

Ans) Exception: Exception are events that occur during the execution of programs that disrupt the normal flow of instructions.

10)What is the use of finally block?

Ans) Java finally block is always executed whether exception is handled or not. It identifies a block of statements that needs to be executed regardless of whether or not an exception occurs within the try block.