Types of Variables in java : In java based on the data type we have only 2 types of variables : Primitive Variables Reference Variables Primitive Variables : If any variable in java declared with primitive data type i.e byte, short, int, long, float, double char and boolean then it is called Primitive Variable. Example: int x = 10; On primitive variable we can't assign null literal as well as with primitive variable we can't invoke a method. int x = null; //Invalid int y = 23; y.m1(); //Invalid Reference Variable : If we declare any variable with reference data type i.e with class name, interface name and so on then it is called Reference Example: Scanner sc = new Scanner(System.in); //sc is a reference variable Student s; //s is a reference variable On reference variable we can assign null literal as well as we can invoke any method on reference variable. Employee e1 = null; //Valid Scanner sc = new Scanner(System.in); sc.nextInt(); Now, $\underline{\text{Based on the declaration position}}, \text{Variables are further divided into four types}:$ class Level Variables 1) Class Variable OR Static Field [The Variables which we can define inside a class but outside of the method] 2) Instance Variable OR Non static Field

3) Local Variables 4) Parameter Variables

Method Level Variable [The variables which are defined inside a method]

