

Que1:What is the difference between the static and non-static variables of a class ?explain with an example.

Ans:

Static Variable:

1. Static variable belongs to class.
2. Static variable can be accessed by using ClassName.variableName and we access it directly without ClassName.
3. Static variable initialized with default values at the time of class loading.
4. All objects of a class share a single copy of static variables.

Non-Static Variable:

1. Non-Static variable belongs to class.
2. Non-static variable can be accessed by using objectName.variableName.
3. Non-static variable initializes with default values at the time of object creation.
4. Each object has one local copy of the non-static variable.

Example of Static and Non-static

```
package com.masai.day3.live;

public class Account {
    static String bankName;
    long accountNumber;
    String name;
    double balance;
    String custAddress;

    public static void main(String [] args ){
        Account.bankName="SBI";

        Account ac=new Account();

        ac.accountNumber=786216321L;
        ac.name="Akshay";
        ac.balance=12345;
        ac.custAddress="Amravati";

        System.out.println(Account.bankName);
        System.out.println(ac.accountNumber);
        System.out.println(ac.name);
        System.out.println(ac.balance);
        System.out.println(ac.custAddress);
    }
}
```