```java
//Java Program to demonstrate the use of static var
iable

class Student {
      int rollno;
//instance variable
      String name;

  static String college ="ITS";//static variable
      //constructor
      Student(int r, String n) {
          rollno = r;
          name = n;
      }
      //method to display the values
      void display () {
      System.out.println(rollno+" "+name+" "+college
   );
  }
}

//Test class to show the values of objects

public class TestStaticVariable1{
  public static void main(String args[]){
  Student s1 = new Student(111,"Karan");
  Student s2 = new Student(222,"Aryan");

  s1.display();
  s2.display();
 }
}
```
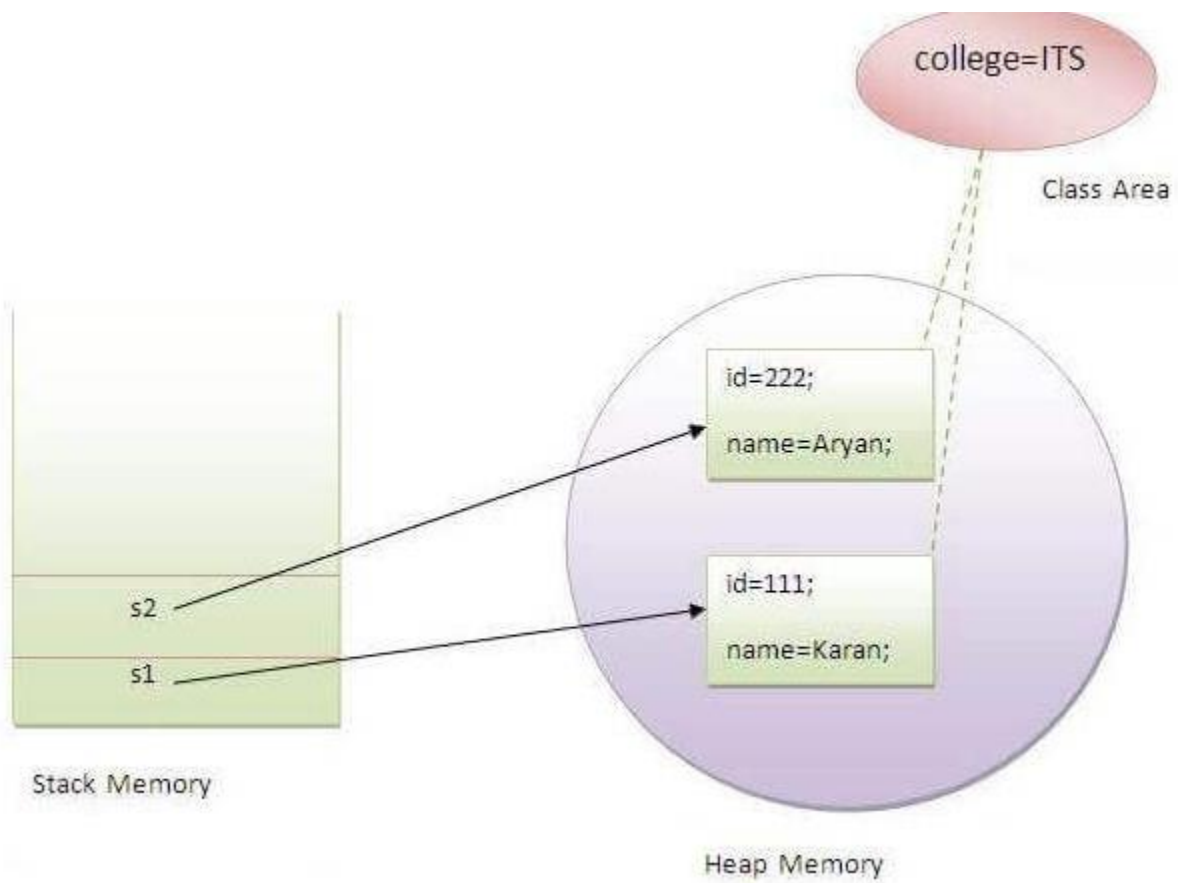
college=ITS

Class Area

id=222;

name=Aryan;

id=111;

name=Karan;

s2

s1

Stack Memory

Heap Memory

Output:

```
111 Karan ITS
222 Aryan ITS
```

```java
//Java Program to demonstrate the use of a static method.

class Student{
    int rollno;
    String name;
    static String college = "ITS";
    //static method to change the value of static variable
    static void change(){
     college = "BBDIT";
    }
    //constructor to initialize the variable
    Student(int r, String n){
     rollno = r;
     name = n;
    }
    //method to display values
    void display(){
     System.out.println(rollno+" "+name+" "+college);}
  }

//Test class to create and display the values of object

public class TestStaticMethod{
    public static void main(String args[]){
      Student.change();//calling change method
      //creating objects
      Student s1 = new Student(111,"Karan");
      Student s2 = new Student(222,"Aryan");
```

```
        Student s3 = new Student(333,"Sonoo");
        //calling display method
            s1.display();
        s2.display();
        s3.display();
    }
  }
```

```
Output:111 Karan BBDIT
       222 Aryan BBDIT
       333 Sonoo BBDIT
```

Another example of a static method that performs a normal calculation

```
  //Java Program to get the cube of a given number
   using the static method
```

```java
class Calculate{
   static int cube(int x){
       return x*x*x;
   }

   public static void main(String args[]){
       int result=Calculate.cube(5);
       System.out.println(result);
   }
}
```