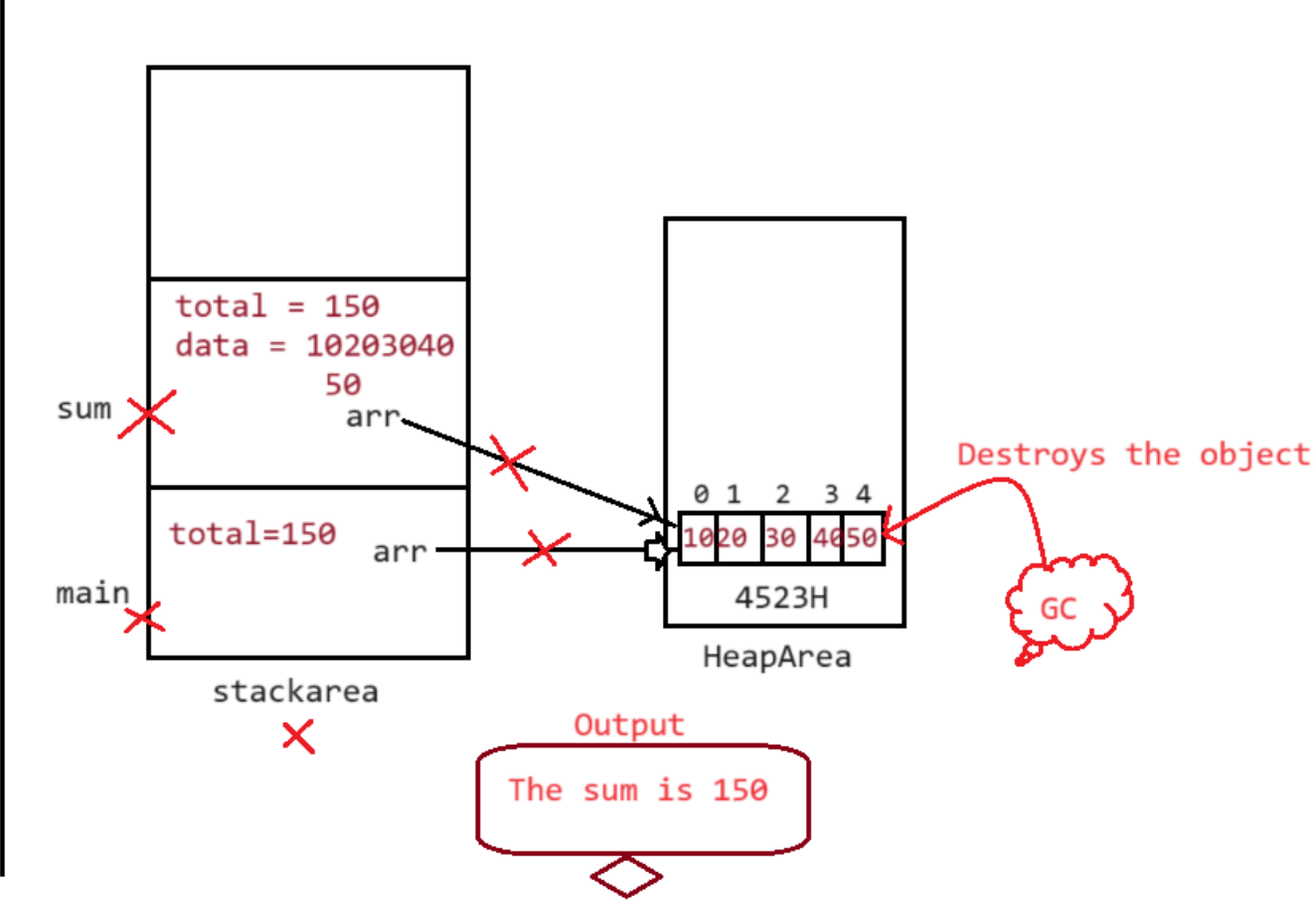
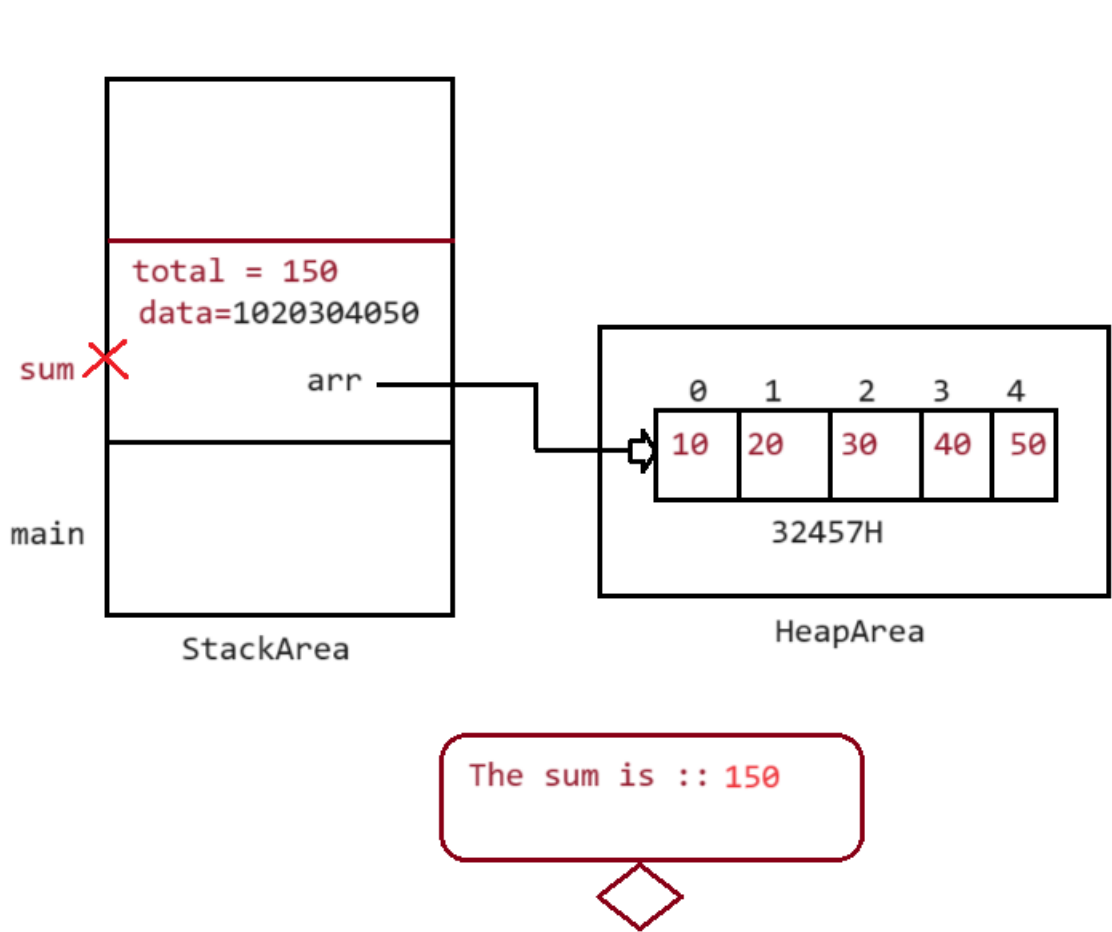


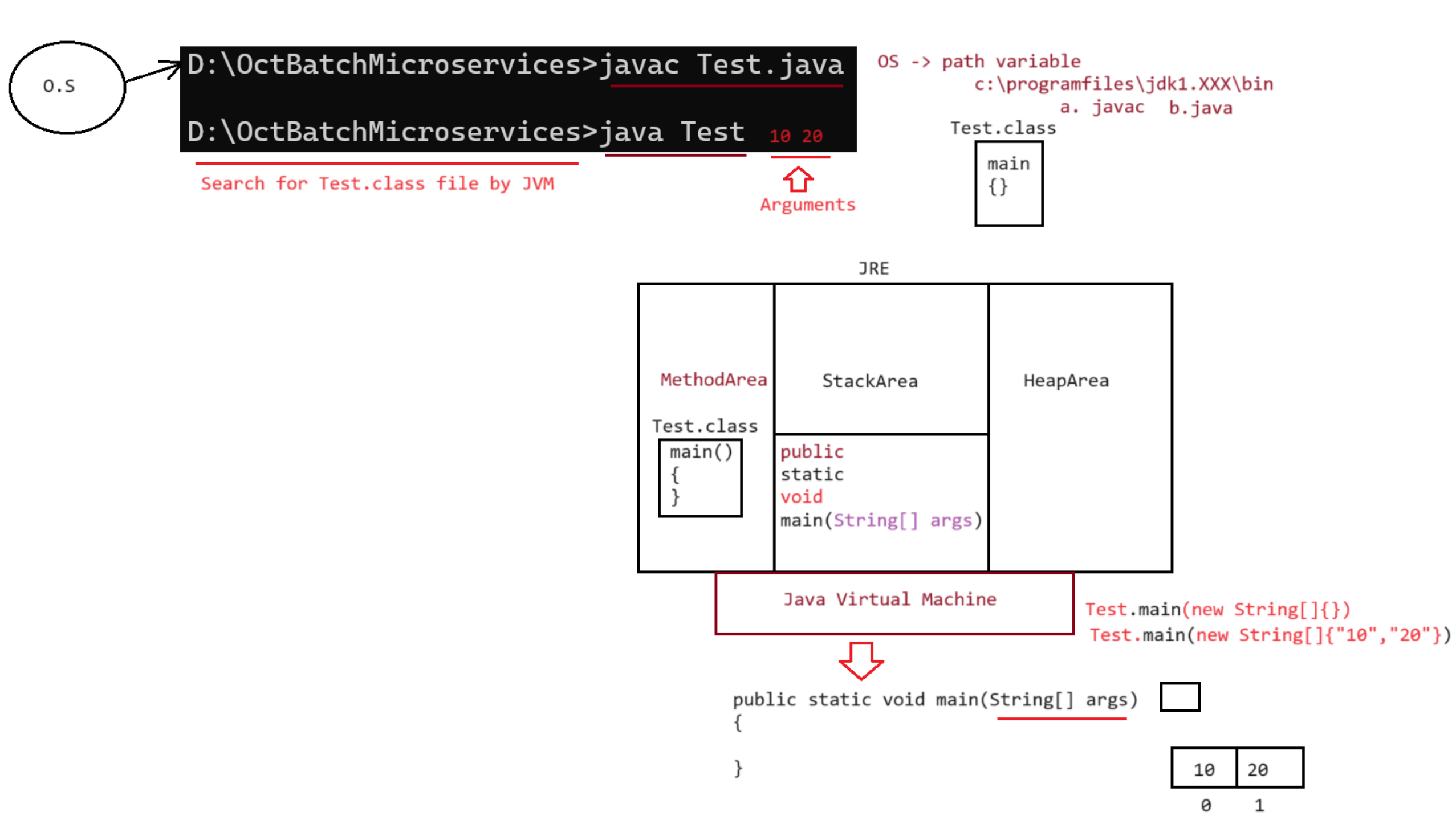
```
class Test
{
    public static void main(String[] args)
    {
        int[] arr = {10,20,30,40,50};
        int total=sum(arr);
        System.out.println("The sum is :: "+total);
    }
    static int sum(int[] arr)
    {
        int total = 0;
        for(int data : arr)
        {
            total+=data;
        }
        return total;
    }
}
```



```
class Test
{
    public static void main(String[] args)
    {
        System.out.println("The sum is :: "+sum(new int[]{10,20,30,40,50}));
    }
    static int sum(int[] arr)
    {
        int total = 0;
        for(int data : arr)
        {
            total+=data;
        }
        return total;
    }
}
```



```
class Test
{
    public static void main(String[] args)
    {
    }
}
```

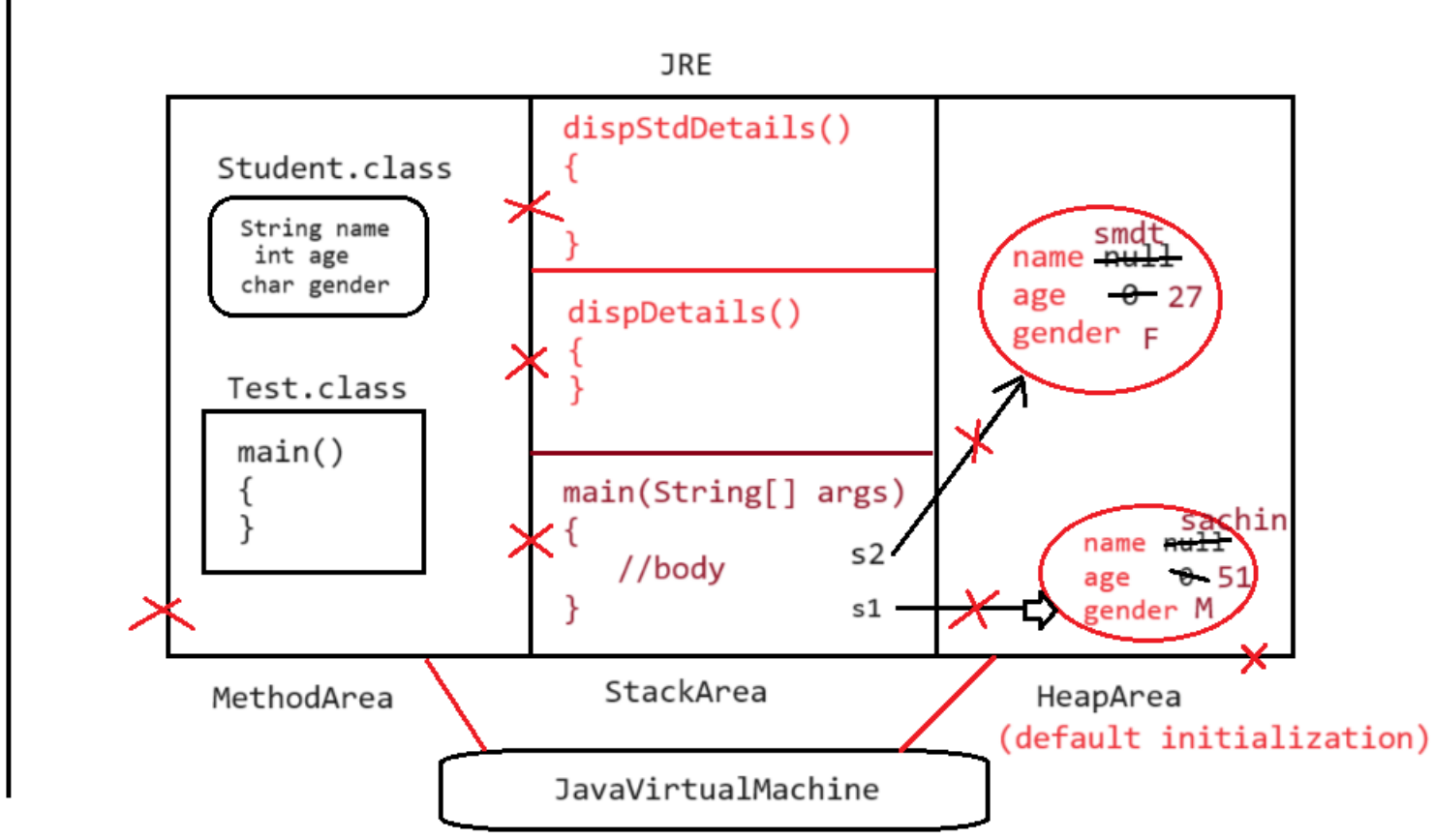


```
class Student
{
    //instance variables
    String name;
    int age;
    char gender;

    public void dispStdDetails()
    {
        //Instance method
        System.out.println("Name is :: "+name);
        System.out.println("Age is :: "+age);
        System.out.println("Gender is :: "+gender);
    }
}
```

```
class Test
{
    //Pre-Defined Method[Entry point/Driving Code]
    public static void main(String[] args)
    {
        //static method
        Student s1 = new Student();
        s1.name = "sachin";
        s1.age = 51;
        s1.gender='M';
        s1.dispStdDetails();

        Student s2 = new Student();
        s2.name="SmritiMandana";
        s2.age = 27;
        s2.gender='F';
        s2.dispStdDetails();
    }
}
```



```
class Student
{
    //static variable
    static String nationality = "INDIAN";

    //instance variables
    String name;
    int age;
    char gender;

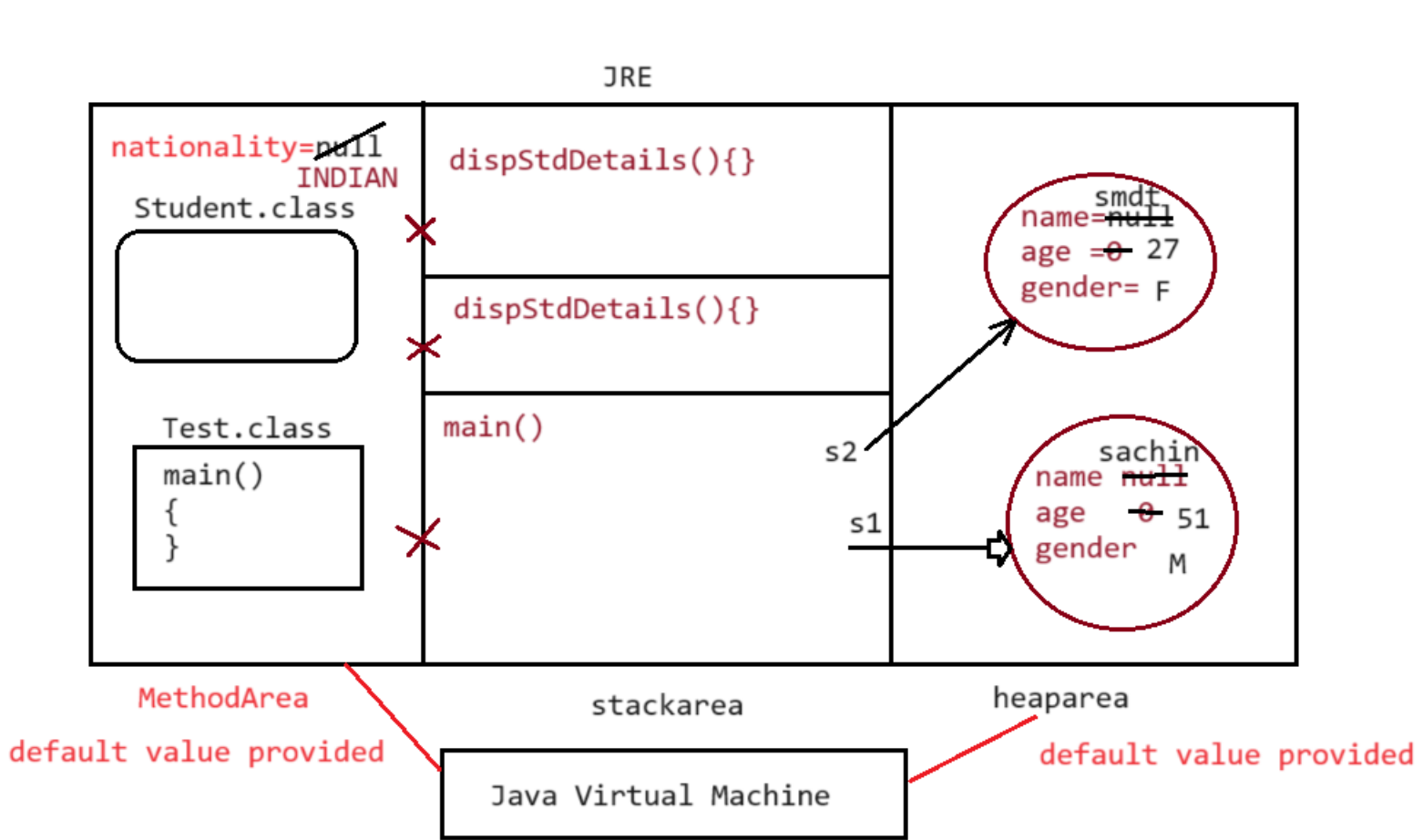
    public void dispStdDetails()
    {
        //Instance area
        System.out.println("Name is :: "+name);
        System.out.println("Age is :: "+age);
        System.out.println("Gender is :: "+gender);
        System.out.println("Nationality is :: "+nationality);
    }

    public static void dispNationality()
    {
        //staticarea
        System.out.println("Nationality is :: "+nationality);
    }
}
```

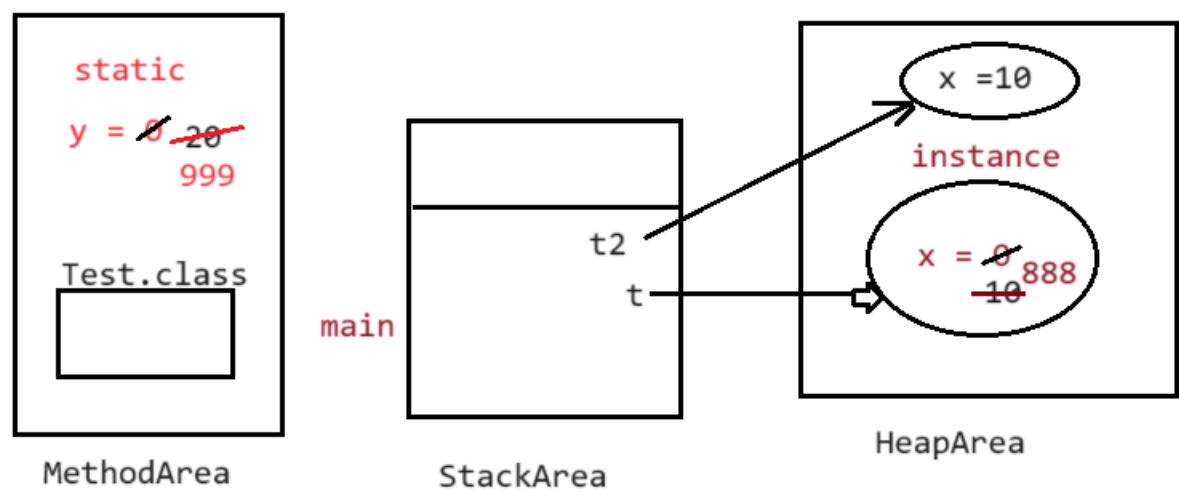
```
class Test
{
    //Pre-Defined Method[Entry point/Driving Code]
    public static void main(String[] args)
    {
        //static area
        Student s1 = new Student();
        s1.name = "sachin";
        s1.age = 51;
        s1.gender='M';
        s1.dispStdDetails();

        Student s2 = new Student();
        s2.name="SmritiMandana";
        s2.age = 27;
        s2.gender='F';
        s2.dispStdDetails();

        System.out.println("*****Static Area*****");
        System.out.println("Nationality is :: "+Student.nationality);
        System.out.println("Nationality is :: "+s1.nationality);
        System.out.println("Nationality is :: "+s2.nationality);
    }
}
```



```
class Test{
    int x =10;
    static int y= 20;
    public static void main(String[] args)
    {
        Test t = new Test();
        t.x = 888;
        t.y = 999;
        Test t2 =new Test();
        System.out.println(t.x + " " + t.y);
        System.out.println(t2.x + " " + t2.y);
    }
}
```



t object -> 888 999
t2 object -> 10 999

```
int[] x[] = { { 1, 2 }, { 3, 4, 5 }, { 6, 7, 8, 9 } };
int[][] y = x;
System.out.println(y[2][1]);
```

