|  |
| --- |
| Example of parameterized constructor  In this example, we have created the constructor of Student class that have two parameters. We can have any number of parameters in the constructor. |

1. **class** Student4{
2. **int** id;
3. String name;
5. Student4(**int** i,String n){
6. id = i;
7. name = n;
8. }
9. **void** display(){System.out.println(id+" "+name);}
11. **public** **static** **void** main(String args[]){
12. Student4 s1 = **new** Student4(111,"Karan");
13. Student4 s2 = **new** Student4(222,"Aryan");
14. s1.display();
15. s2.display();
16. }
17. }
18. **class** Student4{
19. **int** id;
20. String name;
22. Student4(**int** i,String n){
23. id = i;
24. name = n;
25. }
26. **void** display(){System.out.println(id+" "+name);}
28. **public** **static** **void** main(String args[]){
29. Student4 s1 = **new** Student4(111,"Karan");
30. Student4 s2 = **new** Student4(222,"Aryan");
31. s1.display();
32. s2.display();
33. }
34. }

**Output:**

111 Karan

222 Aryan

Example of static variable

1. //Program of static variable
3. **class** Student8{
4. **int** rollno;
5. String name;
6. **static** String college ="ITS";
8. Student8(**int** r,String n){
9. rollno = r;
10. name = n;
11. }
12. **void** display (){System.out.println(rollno+" "+name+" "+college);}
14. **public** **static** **void** main(String args[]){
15. Student8 s1 = **new** Student8(111,"Karan");
16. Student8 s2 = **new** Student8(222,"Aryan");
18. s1.display();
19. s2.display();
20. }
21. }
22. //Program of static variable
24. **class** Student8{
25. **int** rollno;
26. String name;
27. **static** String college ="ITS";
29. Student8(**int** r,String n){
30. rollno = r;
31. name = n;
32. }
33. **void** display (){System.out.println(rollno+" "+name+" "+college);}
35. **public** **static** **void** main(String args[]){
36. Student8 s1 = **new** Student8(111,"Karan");
37. Student8 s2 = **new** Student8(222,"Aryan");
39. s1.display();
40. s2.display();
41. }
42. }

[**Test it Now**](http://www.javatpoint.com/opr/test.jsp?filename=Student8)

Output:111 Karan ITS

222 Aryan ITS

Example of static method

1. //Program of changing the common property of all objects(static field).
3. **class** Student9{
4. **int** rollno;
5. String name;
6. **static** String college = "ITS";
8. **static** **void** change(){
9. college = "BBDIT";
10. }
12. Student9(**int** r, String n){
13. rollno = r;
14. name = n;
15. }
17. **void** display (){System.out.println(rollno+" "+name+" "+college);}
19. **public** **static** **void** main(String args[]){
20. Student9.change();
22. Student9 s1 = **new** Student9 (111,"Karan");
23. Student9 s2 = **new** Student9 (222,"Aryan");
24. Student9 s3 = **new** Student9 (333,"Sonoo");
26. s1.display();
27. s2.display();
28. s3.display();
29. }
30. }
31. //Program of changing the common property of all objects(static field).
33. **class** Student9{
34. **int** rollno;
35. String name;
36. **static** String college = "ITS";
38. **static** **void** change(){
39. college = "BBDIT";
40. }
42. Student9(**int** r, String n){
43. rollno = r;
44. name = n;
45. }
47. **void** display (){System.out.println(rollno+" "+name+" "+college);}
49. **public** **static** **void** main(String args[]){
50. Student9.change();
52. Student9 s1 = **new** Student9 (111,"Karan");
53. Student9 s2 = **new** Student9 (222,"Aryan");
54. Student9 s3 = **new** Student9 (333,"Sonoo");
56. s1.display();
57. s2.display();
58. s3.display();
59. }
60. }

[**Test it Now**](http://www.javatpoint.com/opr/test.jsp?filename=Student9)

Output:111 Karan BBDIT

222 Aryan BBDIT

333 Sonoo BBDIT

**Without main function**

1. **class** A3{
2. **static**{
3. System.out.println("static block is invoked");
4. System.exit(0);
5. }
6. }
7. **class** A3{
8. **static**{
9. System.out.println("static block is invoked");
10. System.exit(0);
11. }
12. }

[**Test it Now**](http://www.javatpoint.com/opr/test.jsp?filename=A3)

Output:static block is invoked (if not JDK7)