static

**Example 1**

class A

{

static int i;

public static void main(String[] args)

{

System.out.println(i);

}

}

**output:**

0

**Example 2**

class B

{

static int m;

static double n;

static boolean o;

static char p;

public static void main(String[] args)

{

System.out.println(m);

System.out.println(n);

System.out.println(o);

System.out.println(p);

}

}

**output:**

0

0.0

false

**Example 3**

class C

{

static int i;

static int j;

static int k;

public static void main(String[] args)

{

System.out.println(i + "," + j + "," + k);

}

}

**output:**

0,0,0

**Example 4**

class D

{

static int i,j,k;

public static void main(String[] args)

{

System.out.println(i + "," + j + "," + k);

}

}

**output:**

0,0,0

**Example 5**

class E

{

static int i = 10;

static double j = 1.5;

public static void main(String[] args)

{

System.out.println(i + "," + j);

}

}

**output:**

10,1.5

**Example 6**

class F

{

static int i = 10;

static double j = 1.5;

public static void main(String[] args)

{

System.out.println(i + "," + j);

i = 20;

j = 5.5;

System.out.println(i + "," + j);

}

}

**output:**

10,1.5

20,5.5

**Example 7**

class G

{

static int i;

static double j;

public static void main(String[] args)

{

System.out.println(i + "," + j);

i = 20;

j = 5.5;

System.out.println(i + "," + j);

}

}

**output:**

0,0.0

20,5.5

**Example 8**

class H

{

public static void main(String[] args)

{

int i = 10;

System.out.println(i);

i = 20;

System.out.println(i);

}

}

**output:**

10

20

**Example 9**

class I

{

static int x = 20;

static double x = 5.5;

public static void main(String[] args)

{

System.out.println(x);

}

}

**output:**

I.java:4: error: variable x is already defined in class I

static double x = 5.5;

^

1 error

**Example 10**

class J

{

static int x = 20;

static double x = 5.5;

public static void main(String[] args)

{

System.out.println("done");

}

}

**output:**

J.java:4: error: variable x is already defined in class J

static double x = 5.5;

^

1 error

**Example 11**

class K

{

static int x = 20;

public static void main(String[] args)

{

System.out.println(x);

int x = 30;

System.out.println(x);

}

}

**output:**

20

30

**Example 12**

class L

{

static int x = 20;

public static void main(String[] args)

{

int x = 30;

System.out.println(x);

System.out.println(x);

}

}

**output:**

30

30

**Example 13**

class M

{

static int x = 20;

public static void main(String[] args)

{

int x = 30;

System.out.println(x);

System.out.println(M.x);

}

}

**output:**

30

20

**Example 14**

class N

{

static int x = 20;

public static void main(String[] args)

{

int x = 30;

System.out.println(N.x);

System.out.println(x);

N.x = 200;

x = 300;

System.out.println(N.x);

System.out.println(x);

}

}

**output:**

20

30

200

300

**Example 15**

class O

{

static int x = 20;

public static void main(String[] args)

{

System.out.println(O.x);

O.x = 200;

System.out.println(O.x);

}

}

**output:**

20

200

**Example 16**

class P

{

public static void main(String[] args)

{

static int x = 20;

System.out.println(x);

}

}

**output:**

P.java:5: error: illegal start of expression

static int x = 20;

^

1 error

**Example 17**

class Q

{

static int x;

x = 20;

public static void main(String[] args)

{

System.out.println(x);

}

}

**output:**

Q.java:4: error: <identifier> expected

x = 20;

^

1 error

**Example 18**

class R

{

static int x = 20;

System.out.println(x);

public static void main(String[] args)

{

System.out.println(x);

}

}

**output:**

R.java:4: error: <identifier> expected

System.out.println(x);

^

R.java:4: error: <identifier> expected

System.out.println(x);

^

2 errors

**Example 19**

class S

{

static int i = 10;

static void test()

{

i = 20;

}

public static void main(String[] args)

{

System.out.println("main:" + i);

test();

System.out.println("main2:" + i);

}

}

**output:**

main1:10

main2:20

**Example 20**

class T

{

static int i = 10;

static void test()

{

int i = 20;

}

public static void main(String[] args)

{

System.out.println("main1:" + i);

test();

System.out.println("main2:" + i);

}

}

**output:**

main1:10

main2:10

**Example 21**

class U

{

static int i = 10;

static void test()

{

int i = 20;

i = 40;

U.i = 200;

}

public static void main(String[] args)

{

System.out.println("main1:" + i);

test();

System.out.println("main2:" + i);

}

}

**output:**

main1:10

main2:200

**Example 22**

class V

{

static int i = 10;

static void test()

{

System.out.println("test1:" + i);

int i = 20;

i = 40;

V.i = 200;

System.out.println("test2:" + i);

System.out.println("test3:" + V.i);

}

public static void main(String[] args)

{

int i = 5;

System.out.println("main1:" + i);

System.out.println("main2:" + V.i);

test();

System.out.println("main3:" + i);

System.out.println("main4:" + V.i);

}

}

**output:**

main1:5

main2:10

test1:10

test2:40

test3:200

main3:5

main4:200

**Example 23**

class Char

{

public static void main(String[] args)

{

System.out.println("a\u0009b");

}

}

**output:**

a b

explanation:

There's a big difference between the character for "the decimal digit 0" which is [U+0030](http://www.fileformat.info/info/unicode/char/0030/index.htm)... and [U+0000](http://www.fileformat.info/info/unicode/char/0000/index.htm), the null character, which is a control character and so has no printed output. You're printing out the latter, so I wouldn't expect to see 0.

To think about it another way, consider:

System.out.println("a\u0009b");

Would you expect that to print "a9b"? You shouldn't because U+0008 is the tab character, so you'd see something like "a b" with some variable number of spaces between depending on exactly what your output device does.(source)StackOverflow-John skeet.