**Example 24**

class A

{

static void test()

{

System.out.println(i);

}

static int i = 10;

public static void main(String[] args)

{

System.out.println(i);

test();

System.out.println(i);

}

}

**output:**

10

10

10

**Example 25**

class B

{

static void test()

{

System.out.println(i);

i = 100;

}

static int i = 10;

public static void main(String[] args)

{

System.out.println(i);

test();

System.out.println(i);

}

}

**output:**

10

10

100

**Example 26**

class C

{

static int i = test();

public static int test()

{

return 20;

}

public static void main(String[] args)

{

System.out.println(i);

}

}

**output:**

20

**Example 27**

class D

{

public static int test()

{

return 20;

}

static int i = test();

public static void main(String[] args)

{

System.out.println(i);

}

}

**output:**

20

**Example 28**

class E

{

static int i = 10;

static int j = i;

public static void main(String[] args)

{

System.out.println(i);

System.out.println(j);

}

}

**output:**

10

10

**Example 29**

class F

{

static int j = i;

static int i = 10;

public static void main(String[] args)

{

System.out.println(i);

System.out.println(j);

}

}

**output:**

F.java:3: error: illegal forward reference

static int j = i;

^

1 error

**Example 30**

class G

{

static int i=10;

static int j;

static int k = j;

static int m = i;

static int n= i+j+k+m;

public static void main(String[] args)

{

System.out.println(i);

System.out.println(j);

System.out.println(k);

System.out.println(m);

System.out.println(n);

}

}

**output:**

10

0

0

10

20

**Example 31**

class H

{

static int i;

static int j = i + k;

static int k;

public static void main(String[] args)

{

System.out.println("done");

}

}

**output:**

H.java:4: error: illegal forward reference

static int j = i + k;

^

1 error

**Example 32**

class I

{

static int x = 10;

static int y = test();

static int test()

{

return 20;

}

public static void main(String[] args)

{

System.out.println(x);

System.out.println(y);

}

}

**output:**

10

20

**Example 33**

class J

{

static int x = 10;

static int y = test();

static int test()

{

return x;

}

public static void main(String[] args)

{

System.out.println(x);

System.out.println(y);

}

}

**output:**

10

10

**Example 34**

class K

{

static int x = test();

static int y = 10;

static int test()

{

return y;

}

public static void main(String[] args)

{

System.out.println(x);

System.out.println(y);

}

}

**output:**

0

10

**Example 35**

class L

{

static int x = test();

static int y = 10;

static int test()

{

System.out.println("test: " + x + " , " + y);

return y;

}

public static void main(String[] args)

{

System.out.println(x);

System.out.println(y);

}

}

**output:**

test: 0 , 0

0

10

**Example 36**

class M

{

static int x = test();

static int y = test();

static int test()

{

System.out.println("test: "+ x + " , " + y);

return x + y + 10;

}

public static void main(String[] args)

{

System.out.println(x);

System.out.println(y);

}

}

**output:**

test: 0 , 0

test: 10 , 0

10

20