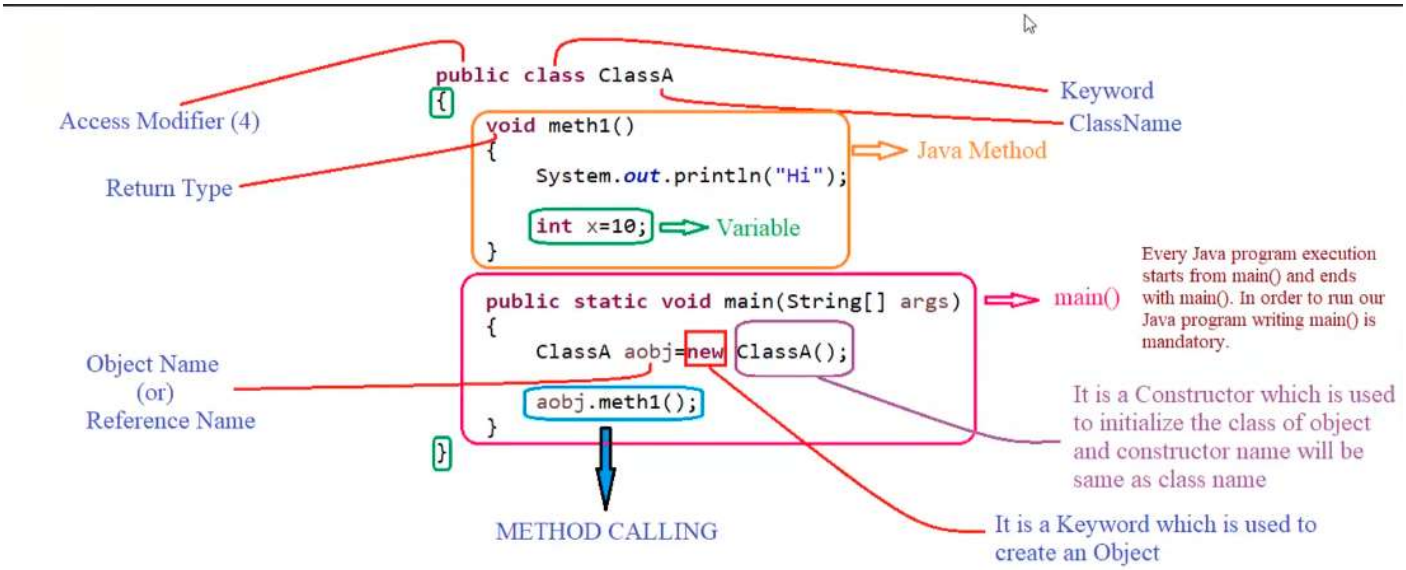
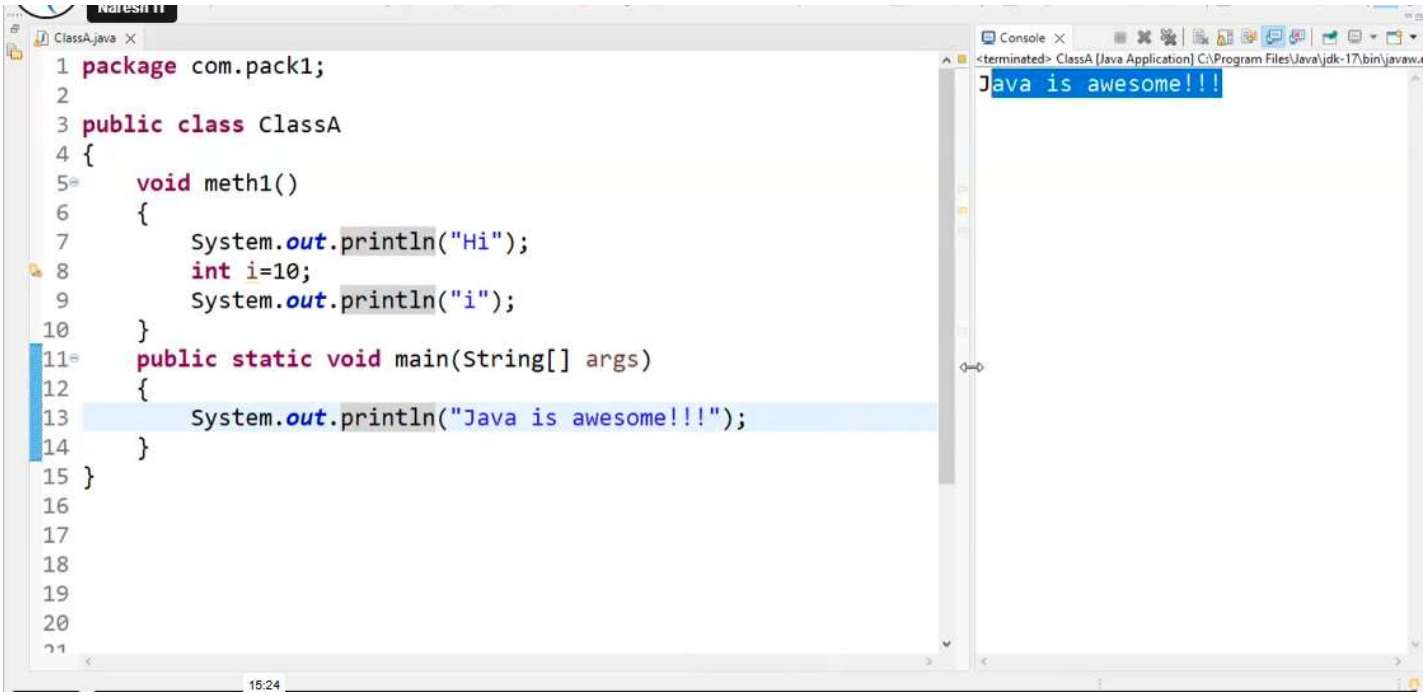
Int i=10; this is a variable

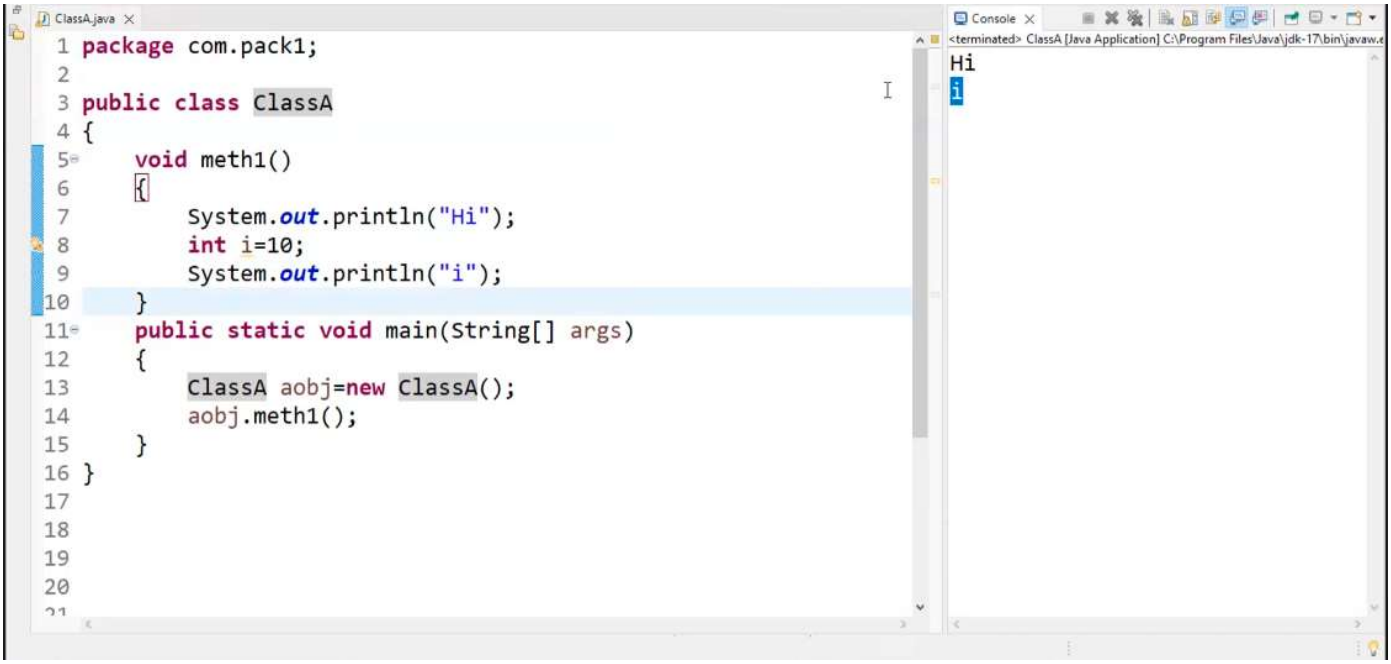
Int is a data type

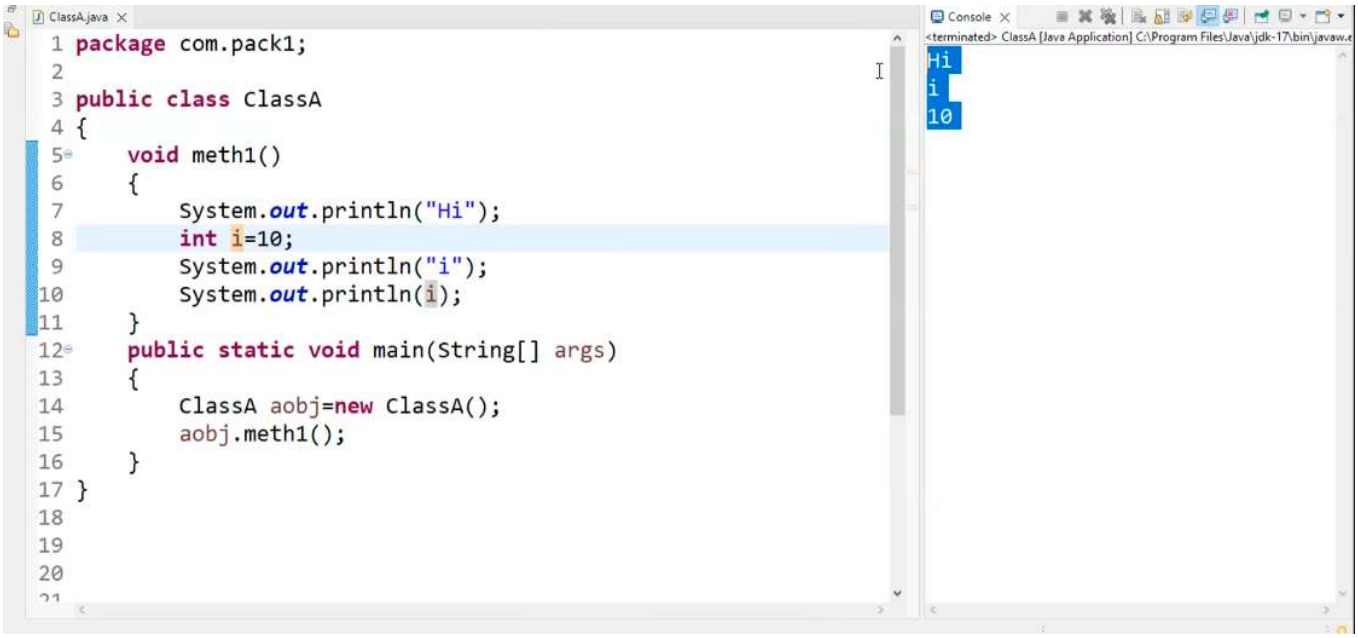
With the help of op data type, we can process the information easily

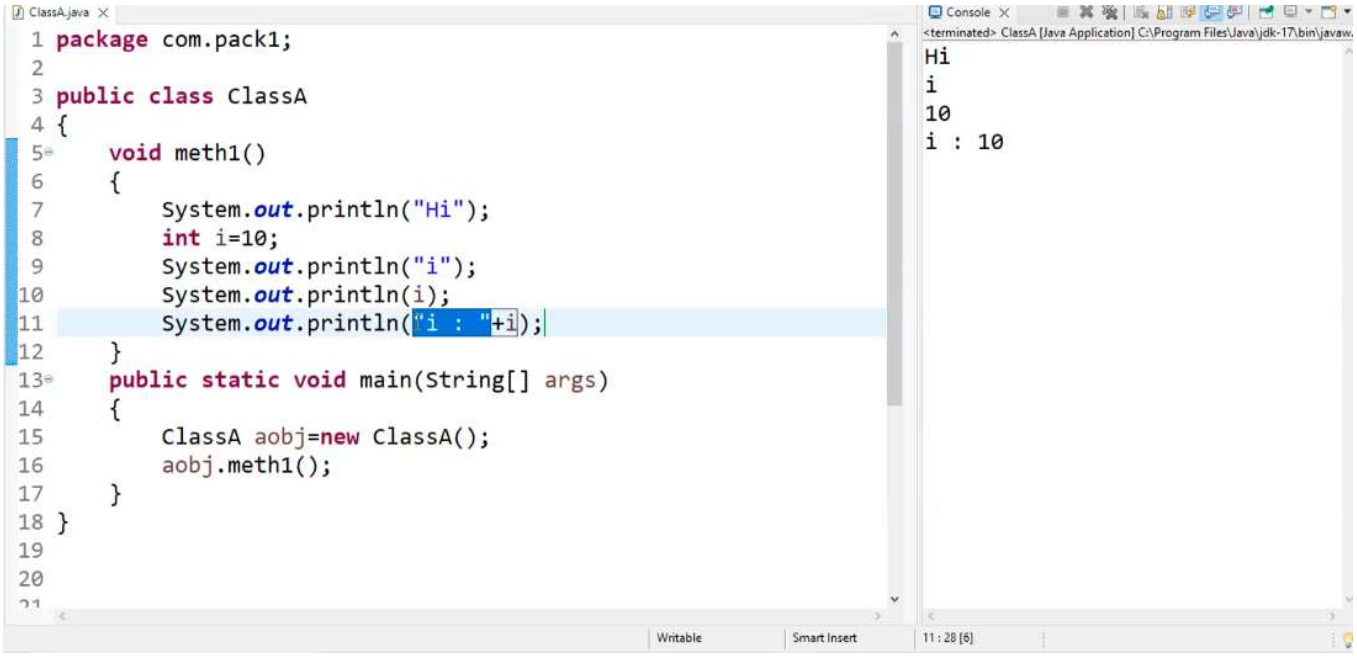
---



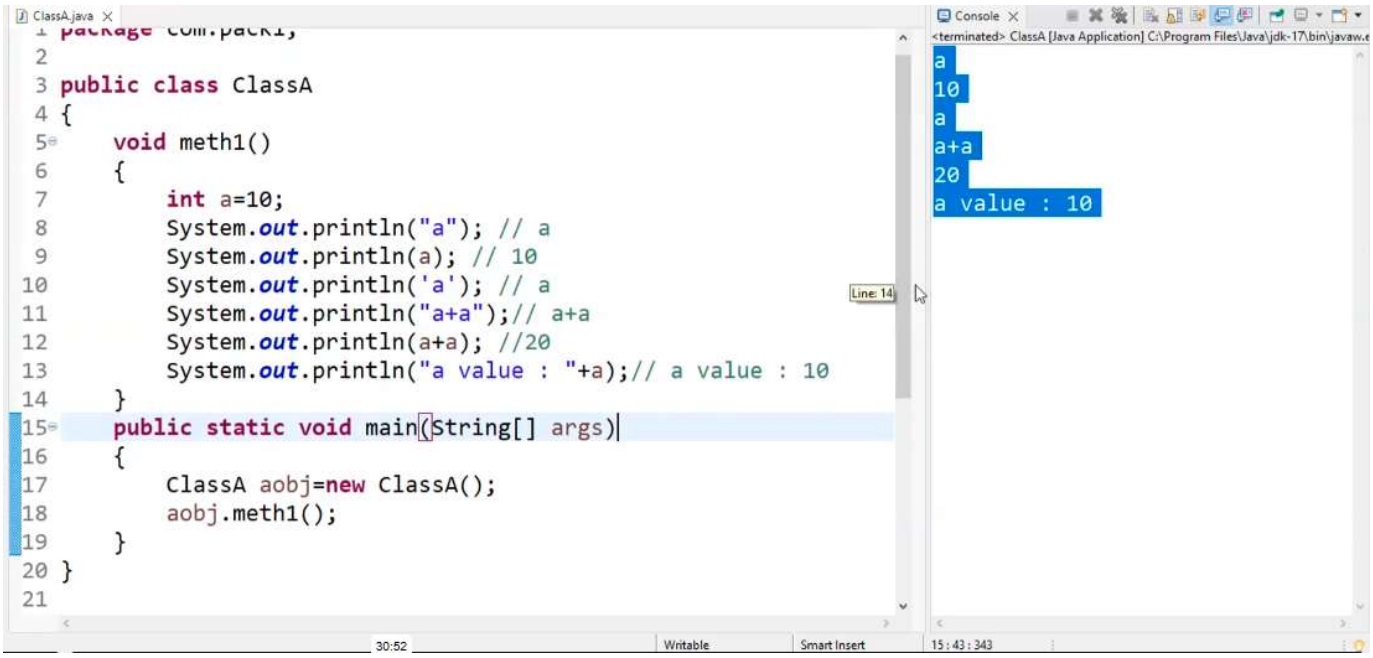



ClassA.java
1 package com.pack1;
2
3 public class ClassA
4 {
5 void meth1()
6 {
7 System.out.println("Hi");
8 int i=10;
9 System.out.println("i");
10 }
11 public static void main(String[] args)
12 {
13 ClassA aobj=new ClassA();
14 aobj.meth1();
15 }
16 }
Console
<terminated> ClassA [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.e
Hi
i


ClassA.java
1 package com.pack1;
2
3 public class ClassA
4 {
5 void meth1()
6 {
7 System.out.println("Hi");
8 int i=10;
9 System.out.println("i");
10 System.out.println(i);
11 }
12 public static void main(String[] args)
13 {
14 ClassA aobj=new ClassA();
15 aobj.meth1();
16 }
17 }
Console
<terminated> ClassA [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.e
Hi
i
10

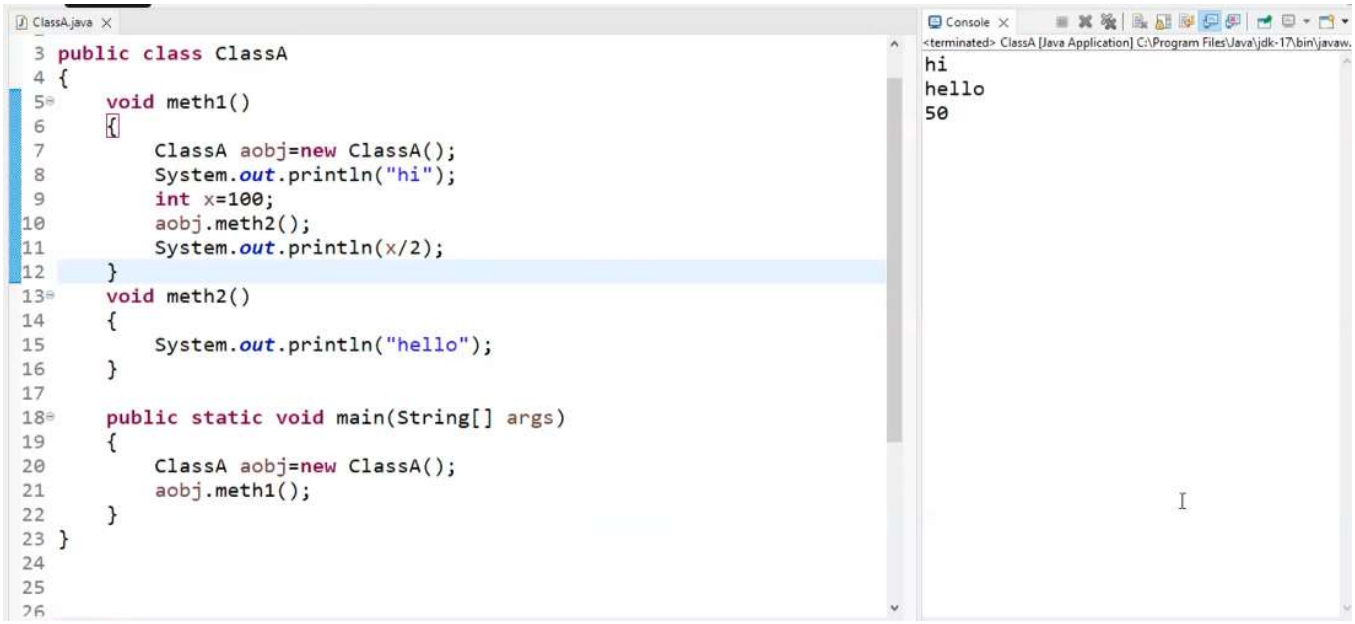


Character data type will accept only one letter that to it should be presented in single codes ‘ ‘



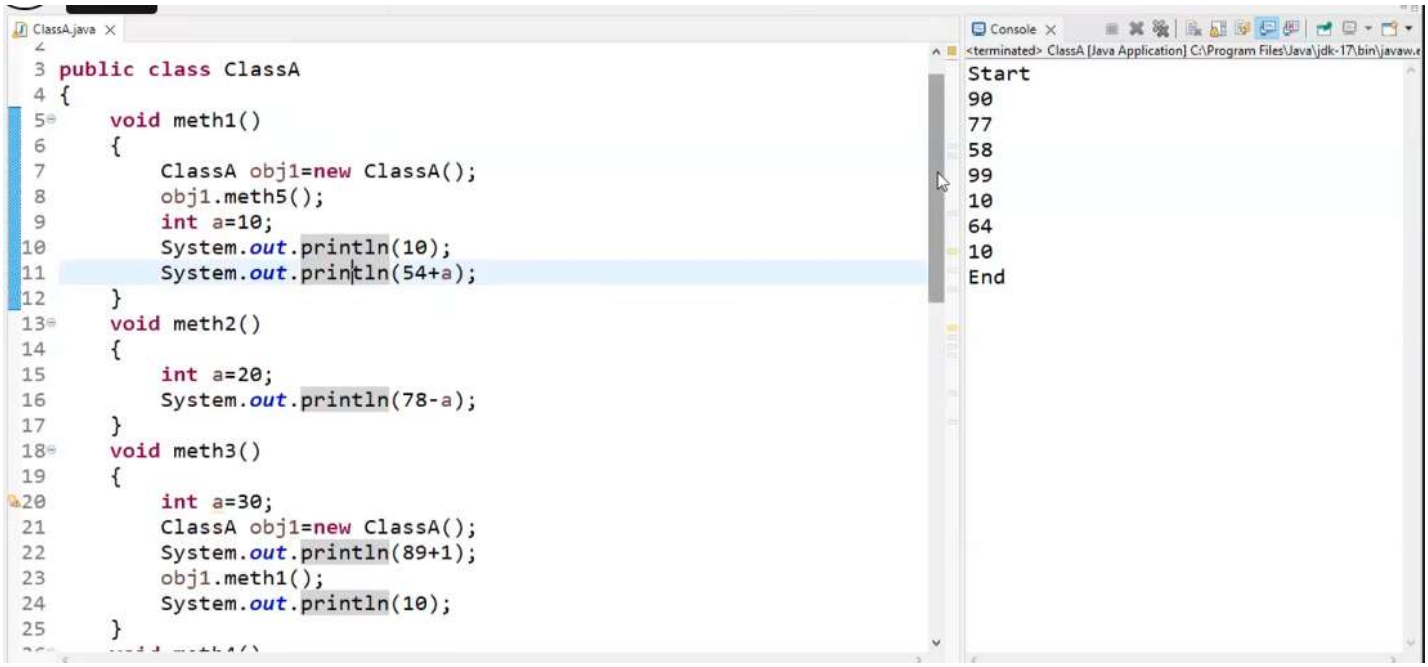
```java
package com.pack1;

public class ClassA
{
    void meth1()
    {
        int a=10;
        System.out.println("a"); // a
        System.out.println(a); // 10
        System.out.println('a'); // a
        System.out.println("a+a");// a+a
        System.out.println(a+a); //20
        System.out.println("a value : "+a);// a value : 10
    }
    public static void main(String[] args)
    {
        ClassA aobj=new ClassA();
        aobj.meth1();
    }
}
```

```
a
10
a
a+a
20
a value : 10
```



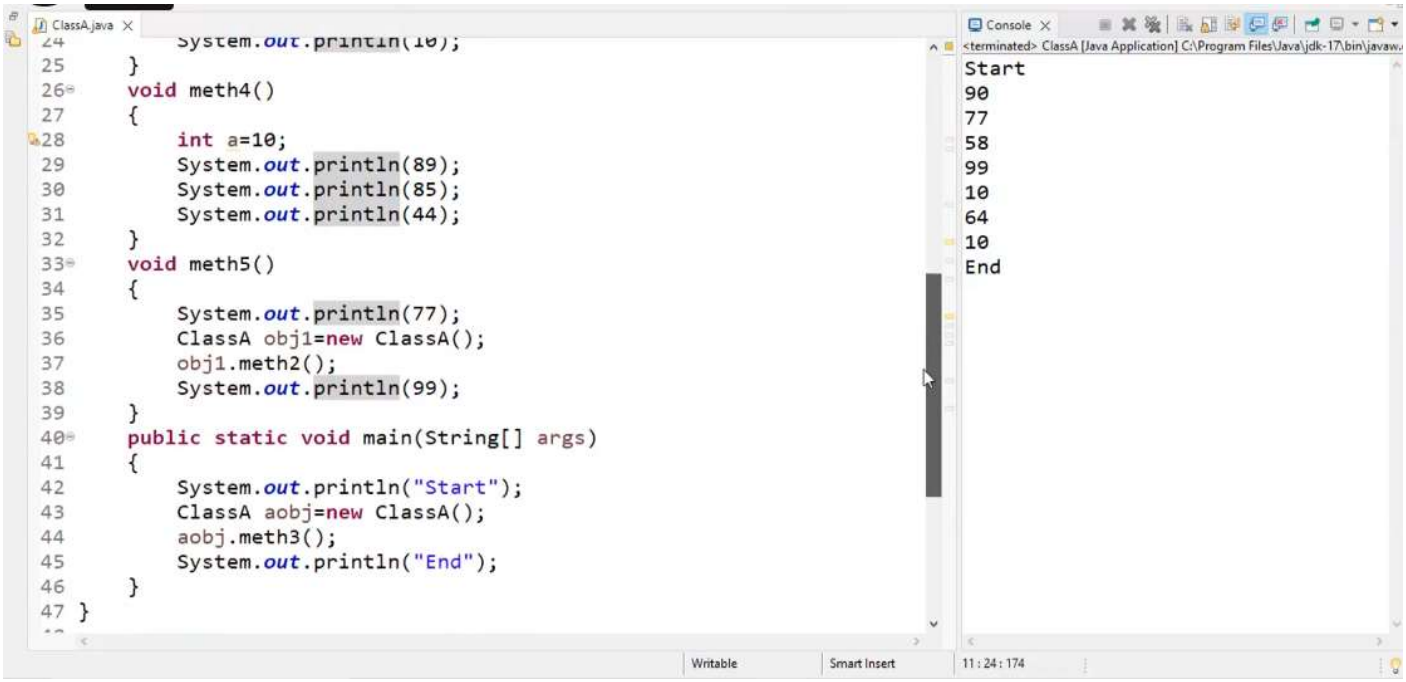
```java
public class ClassA
{
    void meth1()
    {
        ClassA aobj=new ClassA();
        System.out.println("hi");
        int x=100;
        aobj.meth2();
        System.out.println(x/2);
    }
    void meth2()
    {
        System.out.println("hello");
    }

    public static void main(String[] args)
    {
        ClassA aobj=new ClassA();
        aobj.meth1();
    }
}
```

```
hi
hello
50
```



```
ClassA.java
 3 public class ClassA
 4 {
 5     void meth1()
 6     {
 7         ClassA obj1=new ClassA();
 8         obj1.meth5();
 9         int a=10;
10         System.out.println(10);
11         System.out.println(54+a);
12     }
13     void meth2()
14     {
15         int a=20;
16         System.out.println(78-a);
17     }
18     void meth3()
19     {
20         int a=30;
21         ClassA obj1=new ClassA();
22         System.out.println(89+1);
23         obj1.meth1();
24         System.out.println(10);
25     }
```

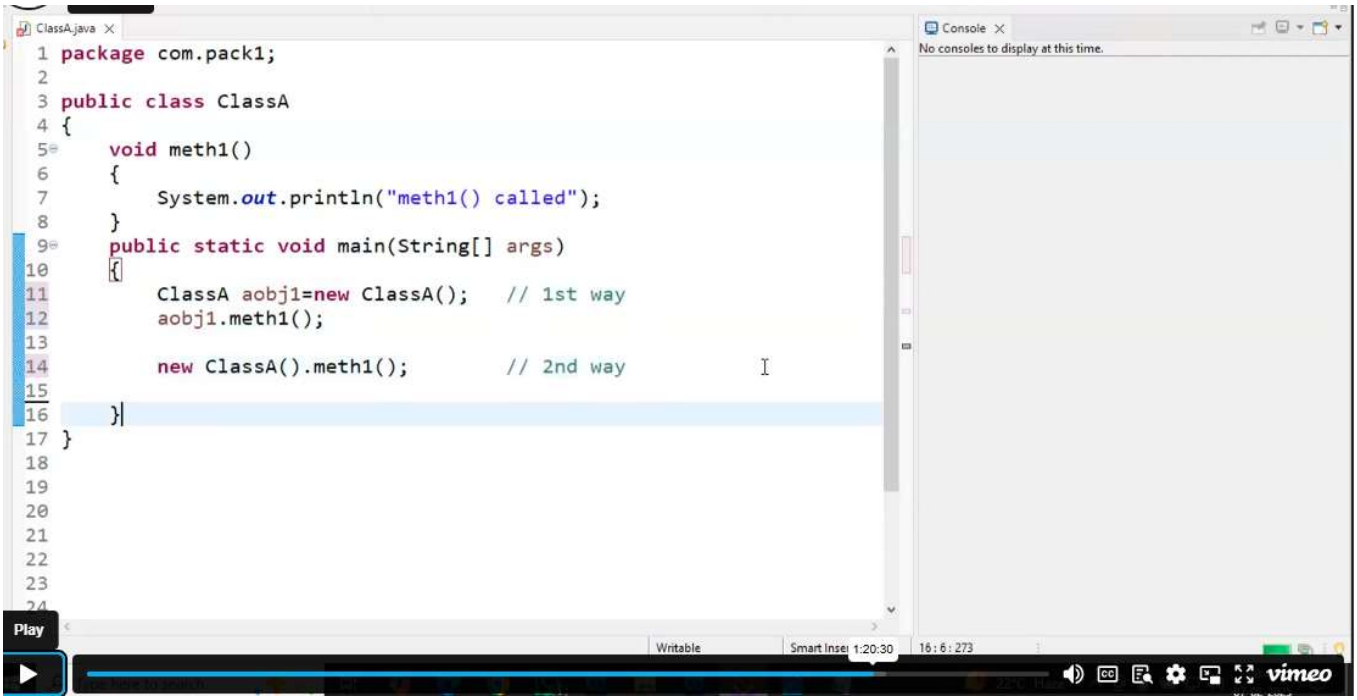
```
Console
<terminated> ClassA [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.e
Start
90
77
58
99
10
64
10
End
```



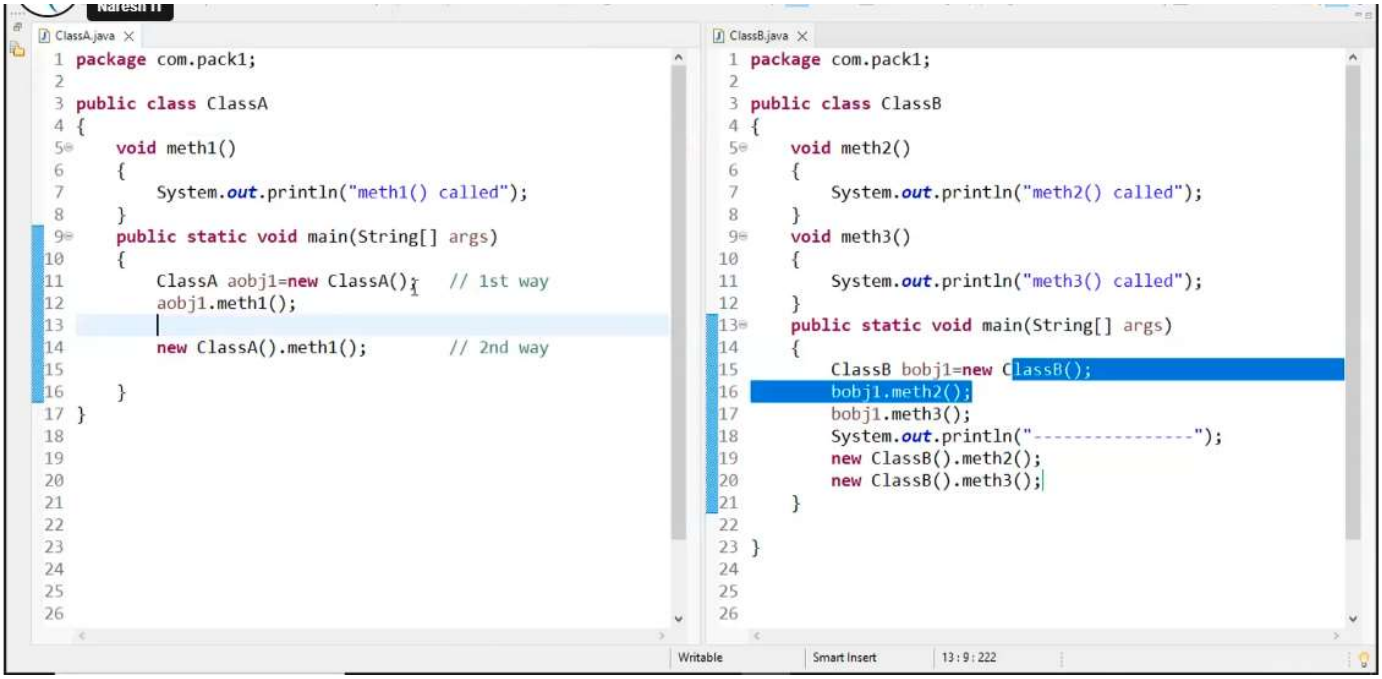
```
ClassA.java
25     }
26     void meth4()
27     {
28         int a=10;
29         System.out.println(89);
30         System.out.println(85);
31         System.out.println(44);
32     }
33     void meth5()
34     {
35         System.out.println(77);
36         ClassA obj1=new ClassA();
37         obj1.meth2();
38         System.out.println(99);
39     }
40     public static void main(String[] args)
41     {
42         System.out.println("Start");
43         ClassA aobj=new ClassA();
44         aobj.meth3();
45         System.out.println("End");
46     }
47 }
```

```
Console
<terminated> ClassA [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.
Start
90
77
58
99
10
64
10
End
```

```
Writable   Smart Insert   11 : 24 : 174
```

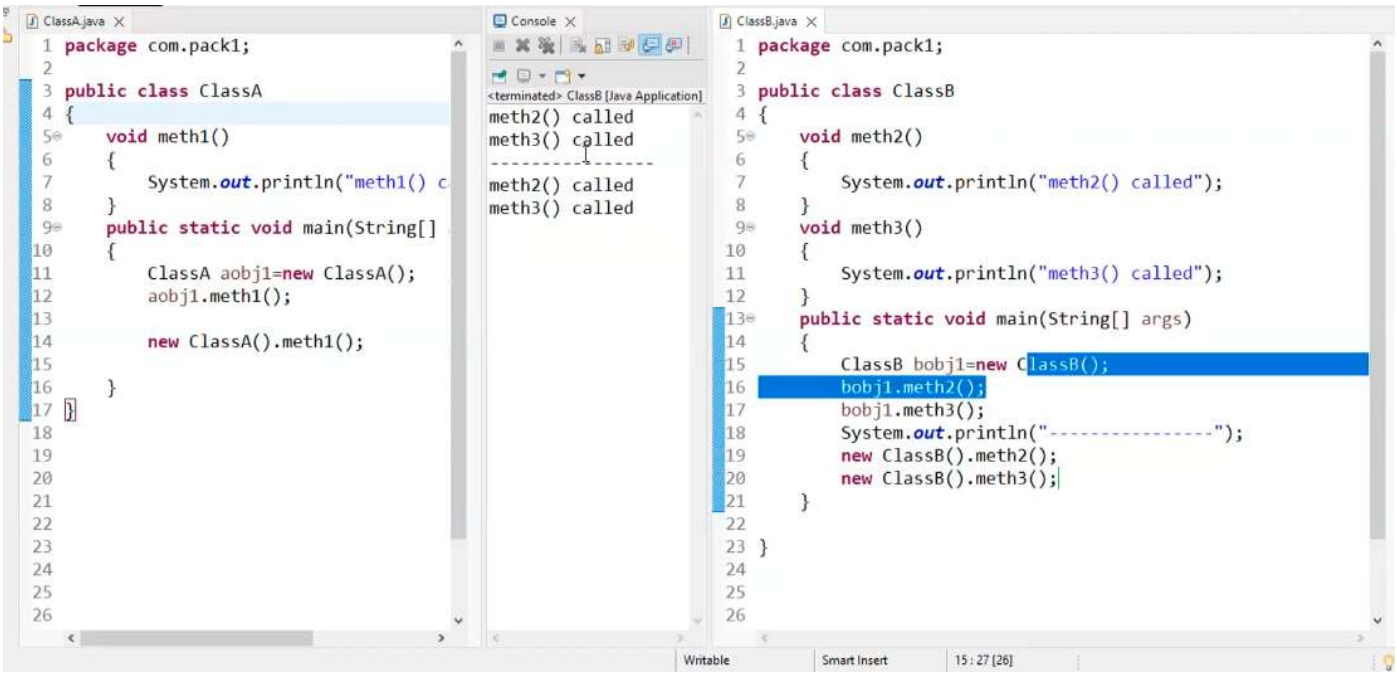



```java
package com.pack1;

public class ClassA
{
    void meth1()
    {
        System.out.println("meth1() called");
    }
    public static void main(String[] args)
    {
        ClassA aobj1=new ClassA();   // 1st way
        aobj1.meth1();

        new ClassA().meth1();        // 2nd way

    }
}
```




```java
package com.pack1;

public class ClassA
{
    void meth1()
    {
        System.out.println("meth1() called");
    }
    public static void main(String[] args)
    {
        ClassA aobj1=new ClassA();   // 1st way
        aobj1.meth1();

        new ClassA().meth1();        // 2nd way

    }
}
```

```java
package com.pack1;

public class ClassB
{
    void meth2()
    {
        System.out.println("meth2() called");
    }
    void meth3()
    {
        System.out.println("meth3() called");
    }
    public static void main(String[] args)
    {
        ClassB bobj1=new ClassB();
        bobj1.meth2();
        bobj1.meth3();
        System.out.println("----------------");
        new ClassB().meth2();
        new ClassB().meth3();
    }

}
```


ClassA.java
1 package com.pack1;
2
3 public class ClassA
4 {
5 void meth1()
6 {
7 System.out.println("meth1() c
8 }
9 public static void main(String[]
10 {
11 ClassA aobj1=new ClassA();
12 aobj1.meth1();
13
14 new ClassA().meth1();
15
16 }
17 }
18
19
20
21
22
23
24
25
26
Console
<terminated> ClassB [Java Application]
meth2() called
meth3() called
----
meth2() called
meth3() called
ClassB.java
1 package com.pack1;
2
3 public class ClassB
4 {
5 void meth2()
6 {
7 System.out.println("meth2() called");
8 }
9 void meth3()
10 {
11 System.out.println("meth3() called");
12 }
13 public static void main(String[] args)
14 {
15 ClassB bobj1=new ClassB();
16 bobj1.meth2();
17 bobj1.meth3();
18 System.out.println("----------");
19 new ClassB().meth2();
20 new ClassB().meth3();
21 }
22
23 }
24
25
26
Writable
Smart Insert
15 : 27 [26]