

```

2
3 public class ClassA
4 {
5     void meth1()
6     {
7         System.out.println("Hi");
8     }
9     public static void main(String[] args)
10    {
11        int x=100;
12        System.out.println("Java is awesome");
13    }
14 }
15
16
17
18
19
20

```



```

1 package com.pack1;
2
3 public class ClassA
4 {
5     int meth1()
6     {
7         System.out.println("Hi");
8         return 50;
9     }
10    public static void main(String[] args)
11    {
12        int x=100;
13        System.out.println("Java is awesome");
14        ClassA aobj=new ClassA();
15        aobj.meth1();
16    }
17 }
18
19
20
21
22

```



```

2
3 public class ClassA
4 {
5     int meth1() // main()
6     {
7         System.out.println("Hi");
8         return 50;
9     }
10    public static void main(String[] args)
11    {
12        int x=100;
13        System.out.println("Java is awesome");
14        ClassA aobj=new ClassA(); // creating an Object
15        int y=aobj.meth1(); // calling a method
16        System.out.println("x : "+x);
17        System.out.println("y : "+y);
18        System.out.println(x/y);
19    }
20 }
21
22
23
24

```



```
1 package com.pack1;
2
3 public class ClassA
4 {
5     int meth1()
6     {
7         System.out.println("Hi");
8         return 100;
9     }
10    public static void main(String[] args)
11    {
12        ClassA aobj=new ClassA();
13        System.out.println("aobj.meth1()");
14    }
15 }
16
17
18
19
```

<terminated> ClassA [Java A
aobj.meth1()

```
1 package com.pack1;
2
3 public class ClassA
4 {
5     int meth1()
6     {
7         System.out.println("Hi");
8         return 100;
9     }
10    void meth2()
11    {
12        System.out.println("Hello");
13    }
14    public static void main(String[] args)
15    {
16        ClassA aobj=new ClassA();
17        System.out.println("aobj.meth1()");
18        System.out.println(aobj.meth1());
19        // /System.out.println(aobj.meth2());
20    }
21 }
22
```

<terminated> ClassA [Java App
aobj.meth1()
Hi
100
1

```
1 package com.pack1;
2
3 public class ClassA
4 {
5     int meth1()
6     {
7         System.out.println("Hi");
8         return 100;
9     }
10    void meth2()
11    {
12        System.out.println("Hello");
13    }
14    public static void main(String[] args)
15    {
16        ClassA aobj=new ClassA();
17        System.out.println("aobj.meth1()");
18        aobj.meth1();
19        //System.out.println(aobj.meth1());
20        //System.out.println(aobj.meth2());
21    }
22 }
23
24
```

<terminated> ClassA [Java Appl
aobj.meth1()
Hi

```
3 public class ClassA
4 {
5     int meth1()
6     {
7         System.out.println("Hi");
8         return 100;
9     }
10    void meth2()
11    {
12        System.out.println("Hello");
13    }
14    public static void main(String[] args)
15    {
16        ClassA aobj=new ClassA();
17        System.out.println("aobj.meth1()");
18
19        aobj.meth1();
20        System.out.println("-----");|
21        System.out.println(aobj.meth1());
22
23        //System.out.println(aobj.meth2()); // C.E because of void method
24    }
25 }
26
```

<terminated> ClassA [Java Appl
aobj.meth1()
Hi

Hi
100

Line: 18

Return type of a method and returning value of a method should be same type.

Return type of a method and parameters of a method need not to be same, it is not mandatory 100% should be take same.

```
ClassA.java X
2
3 public class ClassA
4 {
5     int meth1(String s)
6     {
7         System.out.println("hi");
8         return 100;
9     }
10    int meth2(char c)
11    {
12        System.out.println("Hello");
13        return 50;
14    }
15    public static void main(String[] args)
16    {
17        ClassA aobj=new ClassA();
18        System.out.println(aobj.meth1("Java"));
19    }
20 }
21
22
```

Console

<terminate>

hi
100

```
2
3 public class ClassA
4 {
5     int meth1(String s)
6     {
7         System.out.println("hi");
8         return 100;
9     }
10    int meth2(char c)
11    {
12        System.out.println("Hello");
13        return 50;
14    }
15    public static void main(String[] args)
16    {
17        ClassA aobj=new ClassA();
18        System.out.println(aobj.meth1("Java")+aobj.meth2('A'));
19        //System.out.println(    100    +    50    );
20    }
21 }
22
```

Console

<terminated>

hi
Hello
150

```
2
3 public class ClassA
4 {
5     int meth1(String s)
6     {
7         System.out.println("hi");
8         return 100;
9     }
10    int meth2(char c)
11    {
12        System.out.println("Hello");
13        return 50;
14    }
15    public static void main(String[] args)
16    {
17        ClassA aobj=new ClassA();
18        System.out.println((aobj.meth1("Java")+aobj.meth2('A'))/2);
19    }
20 }
21
22
23
```

<terminated>
hi
Hello
75

```
2
3 public class ClassA
4 {
5     int meth1(int i)
6     {
7         System.out.println("hi");
8         return i-1;
9     }
10    String meth2(int i, String s)
11    {
12        System.out.println("hello");
13        return s;
14    }
15    public static void main(String[] args)
16    {
17        ClassA aobj=new ClassA();
18        aobj.meth1(100);
19        aobj.meth2(10, "Java");
20    }
21 }
22
23
```


<terminated>
hi
hello

```
2
3 public class ClassA
4 {
5     int meth1(int i)
6     {
7         System.out.println("hi");
8         return i-1;
9     }
10    String meth2(int i, String s)
11    {
12        System.out.println("hello");
13        return s;
14    }
15    public static void main(String[] args)
16    {
17        ClassA aobj=new ClassA();
18        int result1=aobj.meth1(100);
19        String result2=aobj.meth2(10, "Java");
20    }
21 }
22
23
```



The screenshot shows a Java IDE with a code editor on the left and an output window on the right. The code editor displays the source code for ClassA, which has two methods: meth1 (returns i-1 and prints "hi") and meth2 (returns s and prints "hello"). The main method calls meth1(100) and meth2(10, "Java"). The output window on the right shows the results of the execution: "hi" and "hello".

```
1 package com.pack1;
2
3 public class ClassA
4 {
5     int meth1(int i)
6     {
7         System.out.println("hi");
8         return i-1;
9     }
10    String meth2(int i, String s)
11    {
12        System.out.println("hello");
13        return s;
14    }
15    public static void main(String[] args)
16    {
17        ClassA aobj=new ClassA();
18        int result1=aobj.meth1(100);
19        String result2=aobj.meth2(10, "Java");
20
21        System.out.println("result1 : "+result1);
22        System.out.println("result2 : "+result2);
23    }
24 }
```



The screenshot shows a Java IDE with a code editor on the left and an output window on the right. The code editor displays the source code for ClassA, which has two methods: meth1 (returns i-1 and prints "hi") and meth2 (returns s and prints "hello"). The main method calls meth1(100) and meth2(10, "Java"), and then prints the results of these calls. The output window on the right shows the results of the execution: "hi", "hello", "result1 : 99", and "result2 : Java".