```java

public class ClassA
{
    void meth1()
    {
        System.out.println("Hi");
    }
    public static void main(String[] args)
    {
        int x=100;
        System.out.println("Java is awesome");
    }
}
```

```
<terminated> ClassA [Java Applicati
Java is awesome
```

```java
package com.pack1;

public class ClassA
{
    int meth1()
    {
        System.out.println("Hi");
        return 50;
    }
    public static void main(String[] args)
    {
        int x=100;
        System.out.println("Java is awesome");
        ClassA aobj=new ClassA();
        aobj.meth1();
    }
}
```

```
<terminated> ClassA [Java Applicatio
Java is awesome
Hi
```

```java

public class ClassA
{
    int meth1() // main()
    {
        System.out.println("Hi");
        return 50;
    }
    public static void main(String[] args)
    {
        int x=100;
        System.out.println("Java is awesome");
        ClassA aobj=new ClassA(); // creating an Object
        int y=aobj.meth1(); // calling a method
        System.out.println("x : "+x);
        System.out.println("y : "+y);
        System.out.println(x/y);
    }
}
```

```
<terminated> ClassA [Java Applicatio
Java is awesome
Hi
x : 100
y : 50
2
```

```java
package com.pack1;

public class ClassA
{
    int meth1()
    {
        System.out.println("Hi");
        return 100;
    }
    public static void main(String[] args)
    {
        ClassA aobj=new ClassA();
        System.out.println("aobj.meth1()");
    }
}
```

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

```java
package com.pack1;

public class ClassA
{
    int meth1()
    {
        System.out.println("Hi");
        return 100;
    }
    void meth2()
    {
        System.out.println("Hello");
    }
    public static void main(String[] args)
    {
        ClassA aobj=new ClassA();
        System.out.println("aobj.meth1()");
        System.out.println(aobj.meth1());
//      /System.out.println(aobj.meth2());
    }
}
```

```
<terminated> ClassA [Java Ap
aobj.meth1()
Hi
100
```

```java
package com.pack1;

public class ClassA
{
    int meth1()
    {
        System.out.println("Hi");
        return 100;
    }
    void meth2()
    {
        System.out.println("Hello");
    }
    public static void main(String[] args)
    {
        ClassA aobj=new ClassA();
        System.out.println("aobj.meth1()");
        aobj.meth1();
        //System.out.println(aobj.meth1());
        //System.out.println(aobj.meth2());
    }
}
```

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

```java
public class ClassA
{
    int meth1()
    {
        System.out.println("Hi");
        return 100;
    }
    void meth2()
    {
        System.out.println("Hello");
    }
    public static void main(String[] args)
    {
        ClassA aobj=new ClassA();
        System.out.println("aobj.meth1()");

        aobj.meth1();
        System.out.println("-------");
        System.out.println(aobj.meth1());

        //System.out.println(aobj.meth2()); // C.E because of void method
    }
}
```

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

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.

```
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
```

```
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 }
```

```
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
```

```
<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
```

```
<terminated> C
hi
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 }
```

```
<terminated> ClassA [Java Applicatio
hi
hello
result1 : 99
result2 : Java
```