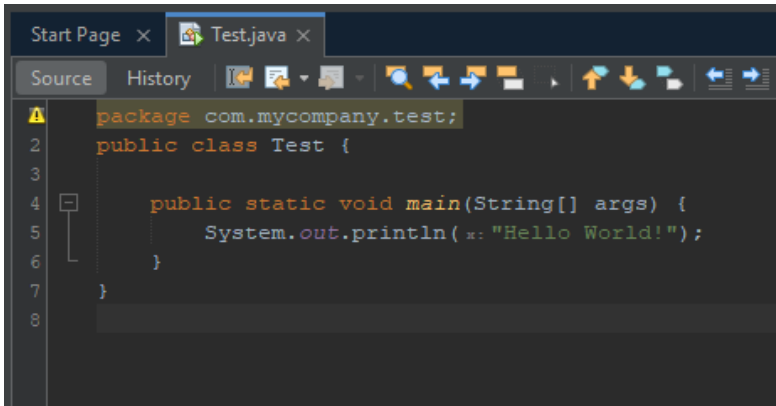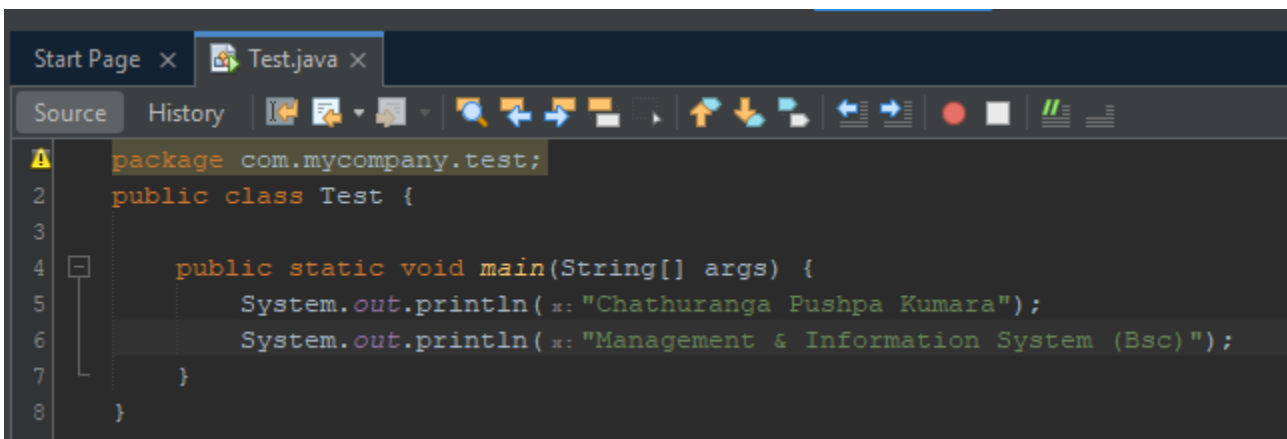Practical 1.

1.

```java
package com.mycompany.test;
public class Test {

    public static void main(String[] args) {
        System.out.println(x: "Hello World!");
    }
}
```

2.
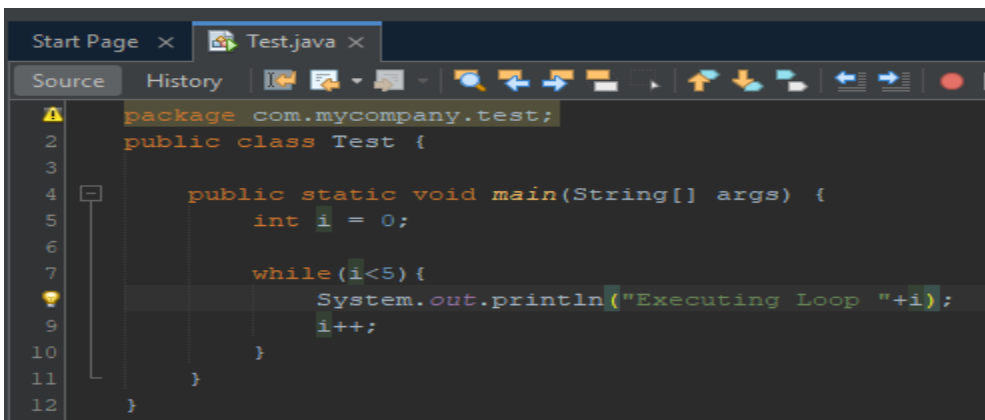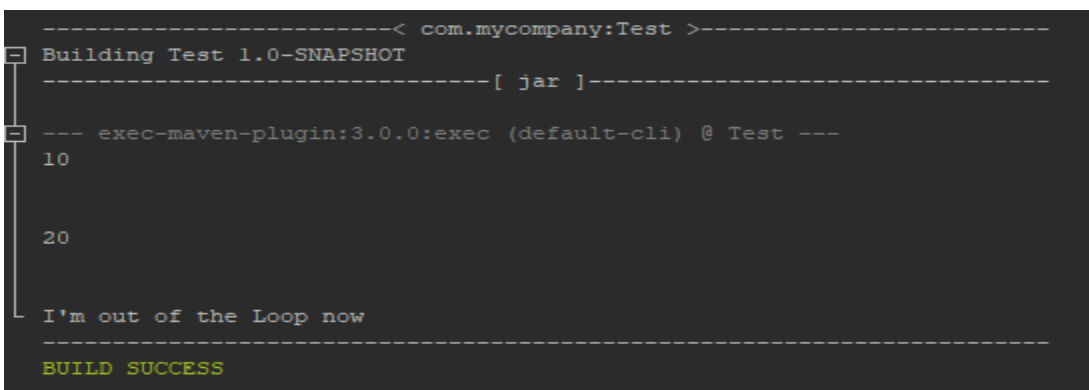
```java
package com.mycompany.test;
public class Test {

    public static void main(String[] args) {
        System.out.println(x: "Chathuranga Pushpa Kumara");
        System.out.println(x: "Management & Information System (Bsc)");
    }
}
```

3.

```java
package com.mycompany.test;
public class Test {

    public static void main(String[] args) {
        int i = 0;

        while(i<5){
            System.out.println("Executing Loop "+i);
            i++;
        }
    }
}
```

4.

```
----------------------< com.mycompany:Test >----------------------
Building Test 1.0-SNAPSHOT
----------------------------[ jar ]-------------------------------

--- exec-maven-plugin:3.0.0:exec (default-cli) @ Test ---
10


20


I'm out of the Loop now
------------------------------------------------------------------
BUILD SUCCESS
```

```
------------------------< com.mycompany:Test >------------------------
Building Test 1.0-SNAPSHOT
------------------------------[ jar ]------------------------------

--- exec-maven-plugin:3.0.0:exec (default-cli) @ Test ---
10

20

40

50

I'm out of the Loop now
------------------------------------------------------------------
BUILD SUCCESS
------------------------------------------------------------------
```

5.
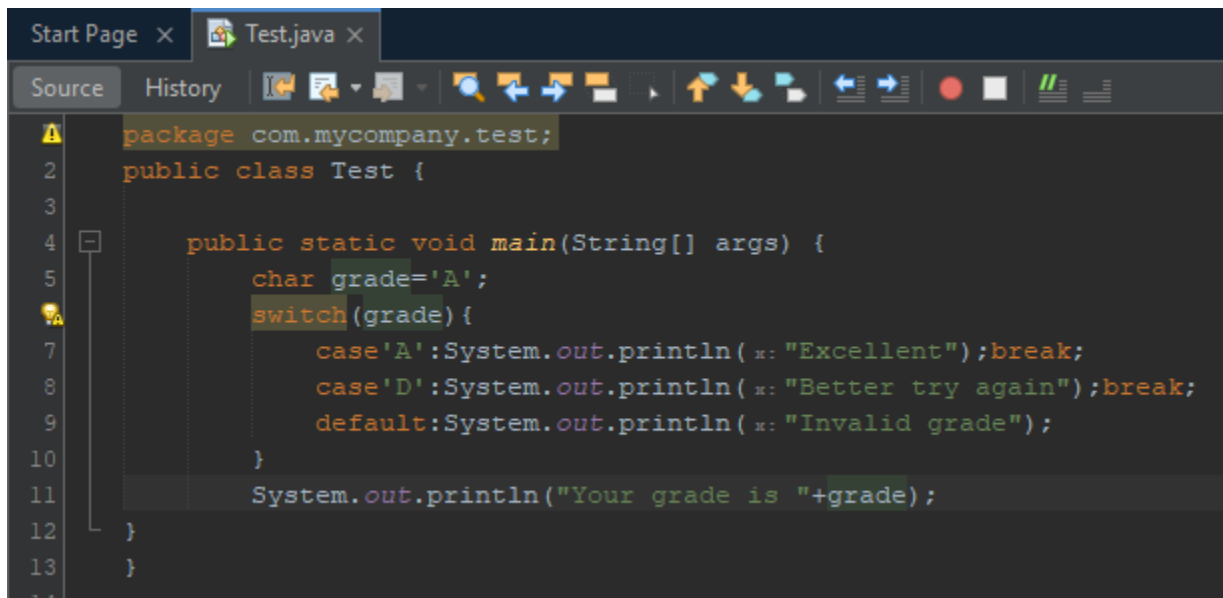
```
Start Page ×    Test.java ×

Source    History    | ...

  A    package com.mycompany.test;
  2    public class Test {
  3
  4        public static void main(String[] args) {
  5            char grade='A';
  A            switch(grade){
  7                case'A':System.out.println( x:"Excellent");break;
  8                case'D':System.out.println( x:"Better try again");break;
  9                default:System.out.println( x:"Invalid grade");
 10            }
 11            System.out.println("Your grade is "+grade);
 12        }
 13    }
```

```
------------------------< com.mycompany:Test >------------------------
Building Test 1.0-SNAPSHOT
------------------------------[ jar ]------------------------------

--- exec-maven-plugin:3.0.0:exec (default-cli) @ Test ---
Excellent
Your grade is A
------------------------------------------------------------------
BUILD SUCCESS
```

```
------------------------< com.mycompany:Test >------------------------
Building Test 1.0-SNAPSHOT
------------------------------[ jar ]------------------------------

--- exec-maven-plugin:3.0.0:exec (default-cli) @ Test ---
Excellent
Better try again
Your grade is A
------------------------------------------------------------------

BUILD SUCCESS
```

If-Else statement

```
Start Page ×    Test.java ×
Source   History

1   package com.mycompany.test;
2   public class Test {
3
4       public static void main(String[] args) {
5           char grade='A';{
6           if(grade=='A')
7               System.out.println( x: "Excellent");
8           else if(grade=='D')
9               System.out.println( x: "You passed");
10          else if(grade=='F')
11              System.out.println( x: "Better try again");
12          else
13              System.out.println( x: "Invalid grade");
14          }
15          System.out.println("Your grade is "+grade);
16          }
17      }
```

6.

```
1   package com.mycompany.test;
2   public class Test {
3
4       public static void main(String[] args) {
5           int[] numbers={10,20,30,40,50};
6           for(int x:numbers){
7               System.out.print( i: x);
8               System.out.println( x: ",");
9           }
10          System.out.println( x: "\n");
11          String[] names = {"James","Larry","Tom","Lacy"};
12                  for(String name :names){
13                      System.out.print( s: name);
14                      System.out.println( x: ",");
15                  }
16          }
17      }
```

```
] Building Test 1.0-SNAPSHOT
--------------------------------[ jar ]------------------

] --- exec-maven-plugin:3.0.0:exec (default-cli) @ Test ---
10,
20,
30,
40,
50,


James,
Larry,
Tom,
Lacy,
----------------------------------------------------
BUILD SUCCESS
----------------------------------------------------
```