```java
package loopStatements;

public class Example5 {

	public static void main(String[] args) {

		// 1 to 10

		int a = 1;

		while(a<=10)
		{
			System.out.println(a);
			a++;
		}
	}
}
```

```java
package loopStatements;

public class Example6 {

	public static void main(String[] args) {

		// 1 to 10

		int a = 10;

		while(a>=1)
		{
			System.out.println(a);
			a--;
		}
	}
}
```

```java
package loopStatements;

public class Example7 {

	public static void main(String[] args) {

		// 1 to 100

		int a = 1;
```

```
//          while(a<=100)
//          {
//               if(a%2 == 0)
//               {
//                    System.out.println(a);
//               }
//               a++;
//          }

            while(a<=50)
            {
                 System.out.println(2*a);
                 a++;
            }
      }
}
```

```
package loopStatements;

public class Example8 {

      public static void main(String[] args) {

            int num = 15;

            do
            {
                 System.out.println(num);
            }
            while(num<=10);

      }
}
```

```
package loopStatements;

public class SumOfNaturalNumbers {

      public static void main(String[] args) {

            // SumOfNaturalNumbers - 1 to 10 = 55 =
1+2+3+4+5+6+7+8+9+10

            int a = 0;
```

```
            for(int i=1; i<=10;i++)
            {
                  a= a+i;
            }
            System.out.println(a);

      }
}
```

```
package loopStatements;

public class FactorialNo {

      public static void main(String[] args) {

            int num = 8;

            int fact = 1;

            for(int i=1;i<=num;i++)
            {
                  fact = i*fact;
            }
            System.out.println(fact);

      }
}
```

```
package loopStatements;

public class CountDigit {

      public static void main(String[] args) {

            int num = 12345;
            int c = 0;

            while(num>0)
            {
                  num = num/10;
                  c++;
            }
            System.out.println(c);
      }
```

```
}


/*
 *              num = num/10 = 1234          c = c++;
 *              num = 1234/10 = 123          c = c++;
 *              num = 123/10 = 12            c = c++;
 *              num= 12/10 = 1
 *              num = 1/10 = 0
 *
 *              c = 5
 *
 *              num = num%10 = 5
 *
 *
 *
 *
 *
*/
```