

String Example:

```
public class StringExample{
public static void main(String args[]){
String s1="java";//creating string by java string literal
String s2=new String("example");//creating java string by new keyword
System.out.println(s1);
System.out.println(s2);
}}
```

String Class Methods:

1] CharAt()

```
public class CharAtExample{
public static void main(String args[]){
String name="javabykiran";
char ch=name.charAt(4);//returns the char value at the 4th index
System.out.println(ch);
}}
```

2] length()

```
public class LengthExample{
public static void main(String args[]){
String s1="javabykiran";
String s2="python";
System.out.println("string length is: "+s1.length());//10 is the length of javatpoint string
System.out.println("string length is: "+s2.length());//6 is the length of python string
}}
```

3] substring

```
public class SubstringExample{
    public static void main(String args[]){
        String s1="javabykiran";
        System.out.println(s1.substring(2,4)); //returns va
        System.out.println(s1.substring(2)); //returns vatpoint
    }
}
```

4] contain()

```
class ContainsExample{
    public static void main(String args[]){
        String name="what do you know about me";
        System.out.println(name.contains("do you know"));
        System.out.println(name.contains("about"));
        System.out.println(name.contains("hello"));
    }
}
```

5] equals()

```
public class EqualsExample{
    public static void main(String args[]){
        String s1="javabykiran";
        String s2="javabykiran";
        String s3="JAVABYKIRAN";
        String s4="python";
        System.out.println(s1.equals(s2)); //true because content and
            case is same
        System.out.println(s1.equals(s3)); //false because case is no
            t same
        System.out.println(s1.equals(s4)); //false because content is
            not same
    }
}
```

6] concat

```
public class ConcatExample{
    public static void main(String args[]){
        String s1="java string";
        s1.concat("is immutable");
        System.out.println(s1);
        s1=s1.concat(" is immutable so assign it explicitly");
        System.out.println(s1);
    }
}
```

7] equalsIgnoreCase()

```
public class EqualsIgnoreCaseExample{

    public static void main(String args[]){

        String s1="javabykiran";
        String s2="javabykiran";
        String s3="JAVABYKIRAN";
        String s4="python";
        System.out.println(s1.equalsIgnoreCase(s2)); //true because content and case both are same
        System.out.println(s1.equalsIgnoreCase(s3)); //true because case is ignored
        System.out.println(s1.equalsIgnoreCase(s4)); //false because content is not same
    }}
```

8] indexOf()

```
public class IndexOfExample{

    public static void main(String args[]){
        String s1="this is index of example";
        //passing substring
        int index1=s1.indexOf("is");//returns the index of is substring
        int index2=s1.indexOf("index");//returns the index of index substring
        System.out.println(index1+" "+index2);//2 8

        //passing substring with from index
        int index3=s1.indexOf("is",4);//returns the index of is substring after 4th index
        System.out.println(index3);//5 i.e. the index of another is

        //passing char value
        int index4=s1.indexOf('s');//returns the index of s char value
    }}
```

```
System.out.println(index4);//3  
}}
```

9] toLowerCase()

```
public class StringLowerExample{  
public static void main(String args[]){  
String s1="JAVABYKIRAN HELLO stRING";  
String s1lower=s1.toLowerCase();  
System.out.println(s1lower);  
}}
```

10] valueOf()

```
public class StringValueOfExample{  
public static void main(String args[]){  
int value=30;  
String s1=String.valueOf(value);  
System.out.println(s1+10);//concatenating string with 10  
}}
```

11] toUpperCase()

```
public class StringUpperExample{  
public static void main(String args[]){  
String s1="hello javabykiran";  
String s1upper=s1.toUpperCase();  
System.out.println(s1upper);  
}}
```

12] trim()

```
public class StringTrimExample{  
public static void main(String args[]){  
String s1="  javaby  ";  
System.out.println(s1+"kiran");//without trim()  
System.out.println(s1.trim()+"kiran");//with trim()  
}}
```