

Methods of string class:

- The methods creates a new string before giving the results.
- The new object is then created in heap memory.

#1

- `str.length()`: it returns the length of the string mentioned.
- `str.toLowerCase()`: it converts the given characters of string into lower case.
- `str.toUpperCase()`: it converts the given characters of string into upper case.
- `str.trim()`: it is used to remove the leading and tailing spaces from the array if there are any.
- `str.substring(int begin)`: it returns a new string by giving the part of a string from where the index is given.
- `str.substring(int begin, int end)`: it works same as the above but the starting and ending index both can be given in the substring.
- `str.replace(char old, char new)`: it replaces the old character with the new character.

```
import java.lang.*;

public class Stringlec3 {

    public static void main(String[] args) {

        String str=new String("netbeans");

        System.out.println("1");
        System.out.println(str.length());
        int len=str.length();
        System.out.println(len);

        System.out.println("2");
        String str2=str.toUpperCase();
        System.out.println(str2);

        System.out.println("3");
        String str3=str.trim();
        System.out.println(str3);

        System.out.println("4");
        String str4=str.substring(3);
        System.out.println(str4);

        System.out.println("5");
        String str5=str.replace('e', 'M');
        System.out.println(str5);
        System.out.println(str5+ " " +str);

    }

}
```

```
G:\CODING\JAVA\JavaCodes>java Stringlec3
1
8
8
2
NETBEANS
3
netbeans
4
beans
5
nMtbMans
nMtbMans netbeans
```