Strings methods For String class in Java

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Q. Write a program to illustrate the usage of various string methods of String class in java.

Code:

```java
public class Strngmethods {

    public static void main(String args[]){
        String p="Life is like a box of chocolates. You never kno
w what you're gonna get";
        String q="Online classes are extremely drowsy";
        System.out.println("Original strings are \np:-
"+ p + "\nq:- "+q+ "\n");
        System.out.println("Now applying various string method
s:- ");
        System.out.println("toLowercase method converts the str
ing to lower case: "+ q.toLowerCase());
        System.out.println("toUpperCase method converts the str
ing to upper case : "+ p.toUpperCase());
        System.out.println("Trim method removes spaces: "+ q.tr
im());
        System.out.println("The char at method gives value of an
 elemnt at a given index in this case index is 5 that is: "+ p.cha
rAt(5));
        System.out.println("The lenght() method gives value of S
tring in this case for String q is : " + q.length() );
        String r=String.format("The value of string p is: %s",p);
        System.out.println("String format returns p formatted stri
ng like this: \n"+ r);
        System.out.println("The substring method works like this
 in p: "+ p.substring(2,6));
```

```java
        System.out.println("Boolean contain method is used to check for a value: "+ p.contains("is"));
        System.out.println("Boolean equals method to check for equality which would false for these strings : "+ p.equals(q));
        System.out.println("Empty() method to check whether the string is empty: "+ p.isEmpty());
        System.out.println("Concat() method is used to concatenate one string after another like this: \n" + p.concat(q));
        System.out.println("Replace() method to replace occurences: " + q.replace("extremely","very"));
        System.out.println(String.join("drowsy", "sleepy"));
        System.out.println("Intern() method returns an interned string like this: "+ p.intern());
        int ind=p.indexOf("like");
        System.out.println("indexof checks the index: "+ ind);
    }
}
```

Output:

```
PS S:\Programming\Java\Practice Questions> java Strngmethods
Original strings are
p:- Life is like a box of chocolates. You never know what you're gonna get
q:- Online classes are extremely drowsy


Now applying various string methods:-
toLowercase method converts the string to lower case: online classes are extremely drowsy
toUpperCase method converts the string to upper case : LIFE IS LIKE A BOX OF CHOCOLATES. YOU NEVER KNOW WHAT YOU'RE GONNA GET
Trim method removes spaces: Online classes are extremely drowsy

Trim method removes spaces: Online classes are extremely drowsy
The char at method gives value of an elemnt at a given index in this case index is 5 that is: i
The lenght() method gives value of String in this case for String q is : 35
String format returns p formatted string like this:
The value of string p is: Life is like a box of chocolates. You never know what you're gonna get
The substring method works like this in p: fe i
Boolean contain method is used to check for a value: true
Boolean equals method to check for equality which would false for these strings : false
Empty() method to check whether the string is empty: false
Concat() method is used to concatenate one string after another like this:
Life is like a box of chocolates. You never know what you're gonna getOnline classes are extremely drowsy
Replace() method to replace occurences: Online classes are very drowsy
sleepy
Intern() method returns an interned string like this: Life is like a box of chocolates. You never know what you're gonna get
indexof checks the index: 8
```