

Application which demonstrates basic features of string class.

String class :

String in typescript is considered as sequence of characters.

There are multiple methods of string class that we can use while writing application.

```
// Create object of string class as
```

```
var str = new String("Marvellous");
```

```
var ptr = new String("Infosystems");
```

```
// charAt function gives character at specific index.
```

```
console.log("str.charAt(0) is:" + str.charAt(0));
```

```
console.log("str.charAt(1) is:" + str.charAt(1));
```

```
// charCodeAt gives unicode result
```

```
console.log("str.charCodeAt(0) is:" + str.charCodeAt(0));
```

```
console.log("str.charCodeAt(1) is:" + str.charCodeAt(1));
```

```
// length gives length of the string
```

```
console.log("length of str is " + str.length);
```

```
console.log("length of ptr is " + ptr.length);
```

```
// Create object of string class as
```

```
var str = "Marvellous";
```

```
var ptr = "Infosystems";
```

```
// concat method is used to concat two strings
```

```
var final = str.concat(ptr)
```

```
console.log("String after concatenation : "+final);
```

```
// indexOf method is used to find index of specific substring in string
```

```
var ret = ptr.indexOf("sys");
```

```
console.log("Index of sys is : "+ret);
```

```
var ret = ptr.indexOf("Pune");
```

```
console.log("Index of Pune is : "+ret);
```

```
// lastIndexOf method is used to find last index of specific substring in string
```

```
var str2 = "MarvellousInfosystemsMarvellousPuneAndNasik";
```

```
var ret = str2.lastIndexOf("Marvellous");
```

```
console.log("Last Index of Marvellous is : "+ret);
```

```
// replace method is used to replace substring with another substring
```

```
var replace = /Marvellous/gi;
```

```
var str = "Marvellous Infosystems Pune & Marvellous Magic Thoughts Pune";
```

```
var newstr = str.replace(replace, "NewMarvellous");
```

```
console.log(newstr)
```

```
// Search method is used to check whether specific substring is present or not.
```

```
var replace = /Marvellous/gi;
```

```
var str = "Marvellous Infosystems Pune & Marvellous Magic Thoughts Pune";

if (str.search(replace) == -1 )
{
    console.log("Does not contain Marvellous" );
}
else
{
    console.log("Contains Marvellous" );
}

// It is used to break string by considering specific delimiter.
var str = "Marvellous Infosystems Educating for better tomorrow";
var arr = str.split(" ", 6);
console.log(arr);

// toString method is used to convert any type of data type into string
var MarvellousStr:number = 112151;
console.log(MarvellousStr.toString());
```

