```
//app.component.css
@import url(https://fonts.googleapis.com/css?family=Pacifico|Open+Sans|Montserrat);

h1{ margin-top: 0px; padding-
top: 20px; font-size: 25px; font-
weight: bold; font: italic small-
caps; font-family: 'Times new
roman'; color: black;
}

.calculator{


 background-size:cover;
background-repeat: no-repeat;
background-color:#F05945 ;
background-attachment: fixed;
position: relative;
margin: 7% auto auto auto; width: 400px; height:
700px; text-align: center; border-color: rgb(99, 94,
97); border-radius: 20px; box-shadow: inset 2px 0px
10px -5px rgb(85, 80, 83), inset -5px 0px 15px -5px
rgb(85, 80, 83), inset 10px 0px 10px -12px rgb(89,
80, 83), inset -2px 0px 4px 2px rgb(85, 80, 83), inset
-2px 0px 10px Opx rgb(89, 80, 83);

}

.result{
border-radius: 8px;
}
```

```
button{ border-radius: 8px; width: 80px; height:
65px; font-size: 20px; border: 2px solid; border-
color: rgb(87, 85, 85); margin: 2px 2px 8px 2px;
transition-duration: 0.4s; box-shadow: inset 5px
15px -5px rgb(109, 103, 106), inset -3px 15px -5px
rgb(109, 103, 106), inset 0px -5px 0px -3px rgb(109,
103, 106), inset 0 0 2px 2px rgb(109, 103, 106), inset
0 5px 15px rgb( 109, 103, 106);
}

.long{     width:
170px;
}

.responsive:hover {     background-color: rgb(123, 169,
124);     color: rgb(247, 240, 240);     box-shadow: inset
5px 0 15px -5px rgb(199, 192, 182),             inset -3px 0
15px -5px rgb(199, 192, 182),

          inset 0px -5px 0px -3px rgb(199, 192, 182),
inset 0 0 2px 2px rgb(199, 192, 182),             inset
0 5px 15px 0 rgb(199, 192, 182),
   }

   input{     width:
350px;     height:
60px;     text-align:
right;     font-size:
1.7em;
   }
```

```
//app.component.html
<div class="calculator">
  <h1>ANGULARJS Calculator</h1>


  <div>
    <br>
    <input class="result" type="text" readonly value="{{ result
}}"><br><br><br><br>   </div>


  <div>
    <button class="responsive long" *ngFor="let longButton of longButtons"
(click)="addToExpression(longButton)">
      {{ longButton }}
    </button>
    <button class="responsive " *ngFor="let button of buttons"
(click)="addToExpression(button)">
      {{ button }}
    </button>
    <button class="responsive long" *ngFor="let longButton1 of longButtons1"
(click)="addToExpression(longButton1)">
      {{ longButton1 }}
    </button>
  </div>
</div>
```

```
//app.component.ts
import { Component } from '@angular/core';

@Component({
  selector: 'app-root',
templateUrl:
'./app.component.html',
styleUrls:
['./app.component.css']
})

export class AppComponent {

  result: string = '';
longButtons: string[]
= ['AC', 'CE'];
  buttons: string[] = ['7','8', '9','/','4','5','6','*','1','2','3','-
','.','0','=','+'];
  longButtons1: string[] = ['Prime', 'Factorial'];

  private prevValue:
string = '';   private
curValue: string = '';

  addToExpression(value: string) {

    if (this.result != "") {
this.prevValue =
this.curValue;
this.curValue = value;
    }
```

```
   if (value == 'AC') {       this.result = '';     } else if (value ==
'CE'){       this.result = this.prevValue != "=" ?
this.result.slice(0, -1) : this.result;
   } else if (value == '=') {
     this.result = eval(this.result);
   }else if (value == 'Prime') {

       var c=0;
var
n=parseInt(this.re
sult);        for(let
i=1; i<=n/2;i++ )
       {
          c+=1;
       }
       if(c==1)
       {
         this.result='Prime';
       }
       else{
this.result='Composi
te';
       }
   }else if(value=='Factorial'){
       var f=1;
var
n=parseInt(this.re
sult);        for(let
i=1;i<=n;i++)
```

```
{

f
=
f
*
i
;
      }
       this.result=f.toString();

}
e
l
s
e
{
     this.result += value;
   }
 }
}
```


localhost:4200
ANGULARJS Calculator
AC
CE
7
8
9
/
4
5
6
*
1
2
3
-
.
0
=
+
Prime
Factorial