Name: Jeewan Khatiwara
Reg No: 201900279
Sec: B

Calculator using Angular JS

HTML**:-**

```
<!DOCTYPE html>
<html>
<div class="six"><h1>BI-INPUT CALCULATOR</h1>
<app-calc></app-calc>
<div class="shf"><input type="button" class="button" (click)=" incrementby1one()"
value="1">  
<input type="button" class="button" (click)=" incrementby1two()"
value="1"><br><br>
<input type="button" class="button" (click)=" incrementby2one()"
value="2">  
<input type="button" class="button" (click)=" incrementby2two()"
value="2"><br><br>
<input type="button" class="button" (click)=" incrementby3one()"
value="3">  
<input type="button" class="button" (click)=" incrementby3two()"
value="3"><br><br>
<input type="button" class="button" (click)=" incrementby4one()"
value="4">  
<input type="button" class="button" (click)=" incrementby4two()"
value="4"><br><br>
<input type="button" class="button" (click)=" incrementby5one()"
value="5">  
<input type="button" class="button" (click)=" incrementby5two()"
value="5"><br><br>
<input type="button" class="button" (click)=" incrementby6one()"
value="6">  
<input type="button" class="button" (click)=" incrementby6two()"
value="6"><br><br>
<input type="button" class="button" (click)=" incrementby7one()"
value="7">  
<input type="button" class="button" (click)=" incrementby7two()"
value="7"><br><br>
<input type="button" class="button" (click)=" incrementby8one()"
value="8">  
<input type="button" class="button" (click)=" incrementby8two()"
value="8"><br><br>
<input type="button" class="button" (click)=" incrementby9one()"
value="9">  
```

```html
<input type="button" class="button" (click)=" incrementby9two()"
value="9"><br><br>
<input type="button" class="button" (click)=" incrementby0one()"
value="0">  
<input type="button" class="button" (click)=" incrementby0two()"
value="0"><br><br>
<input type="button" class="button" (click)="Add()" value="+">  
<input type="button" class="button" (click)="Subt()" value="-"><br><br>
<input type="button" class="button" (click)="Prod()" value="*">  
<input type="button" class="button" (click)="Div()" value="/"><br><br>
<input type="button" class="button" (click)="Fact()" value="f">  
<input type="button" class="button" (click)="Prime()" value="p"></div></div>
</html>
```

CSS:-

```css
h1{
color:red;
padding-left: 600px;
}
.shf{
padding-left: 700px;
}
.button{
background-color: #1c87c9;
-webkit-border-radius: 60px;
border-radius: 60px;
border: none;
color: #eeeeee;
cursor: pointer;
display: inline-block;
font-family: sans-serif;
font-size: 20px;
padding: 10px 10px;
text-align: center;
text-decoration: none;
}
@keyframes glowing {
0% {
background-color: #2ba805;
box-shadow: 0 0 5px #2ba805;
}
50% {
background-color: #a805a8;
box-shadow: 0 0 20px #8705a8;
```

```css
    }
    100% {
    background-color: #2ba805;
    box-shadow: 0 0 5px #2ba805;
    }
    }
    .button{
    animation: glowing 1300ms infinite;
    }
    html{
    background
    }
```

TS:-

```typescript
import { Component } from '@angular/core';
@Component({
selector: 'app-root',
templateUrl: './app.component.html',
styleUrls: ['./app.component.css']
})
export class AppComponent {
counter_one=0;
counter_two=0;
title = 'MyAPP';
incrementby1one()
{
this.counter_one +=1;
```

```
}

incrementby1two()

{

this.counter_two +=1;

}

incrementby2one()

{

this.counter_one +=2;

}

incrementby2two()

{

this.counter_two +=2;

}

incrementby3one()

{

this.counter_one +=3;

}

incrementby3two()

{

this.counter_two +=3;

}

incrementby4one()

{

this.counter_one +=4;

}

incrementby4two()
```

```
{

this.counter_two +=4;

}

incrementby5one()

{

this.counter_one +=5;

}

incrementby5two()

{

this.counter_two +=5;

}

incrementby6one()

{

this.counter_one +=6;

}

incrementby6two()

{

this.counter_two +=6;

}

incrementby7one()

{

this.counter_one +=7;

}

incrementby7two()

{

this.counter_two +=7;
```
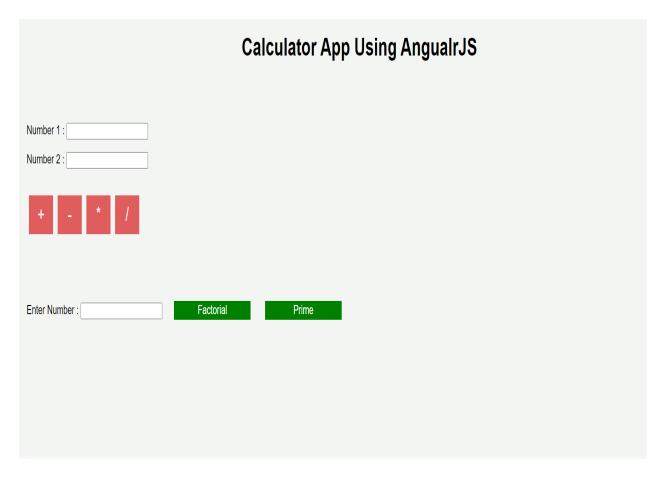
```
}
incrementby8one()
{
this.counter_one +=8;
}
incrementby8two()
{
this.counter_two +=8;
}
incrementby9one()
{
this.counter_one +=9;
}
incrementby9two()
{
this.counter_two +=9;
}
incrementby0one()
{
this.counter_one +=0;
}
incrementby0two()
{
this.counter_two +=0;
}
Add()
```

```
{

alert( this.counter_one+this.counter_two);

this.counter_one=0;

this.counter_two=0;

}

Subt()

{

alert(this.counter_one-this.counter_two);

this.counter_one=0;

this.counter_two=0;

}

Prod()

{

alert(this.counter_one*this.counter_two);

this.counter_one=0;

this.counter_two=0;

}

Div()

{

alert(this.counter_one/this.counter_two);

this.counter_one=0;

this.counter_two=0;

}

Fact(){

var a=1;

if(this.counter_one==0)
```

```
{
alert(1)
}
else
{
while(this.counter_one!=1)
{
a=a*this.counter_one;
this.counter_one -=1;
}
alert(a);
this.counter_one -=1;
}
}
Prime()
{ var flag;
for(let i=2;i<=this.counter_one/2;i++)
{
if(this.counter_one%i==0)
{
flag=0;
}
else{
flag=1;
}
}
```

```
if(flag==0)

{

alert("THE NUMBER IS PRIME")

}

else{

alert("THE NUMBER IS COMPOSITE")

}

this.counter_one=0;

}

}
```

Screen Shot of the Application:

Calculator App Using AngualrJS

Number 1 : 10

Number 2 : 5

| + | - | * | / |

10 + 5 = 15

Enter Number : 5   Factorial   Prime

120

YES, IT IS A PRIME NUMBER