```
///////////////////////////////////////////////////////////////

//Assignment- 8 | RID-073AM_Viraj

///////////////////////////////////////////////////////////////
```

// Que-1
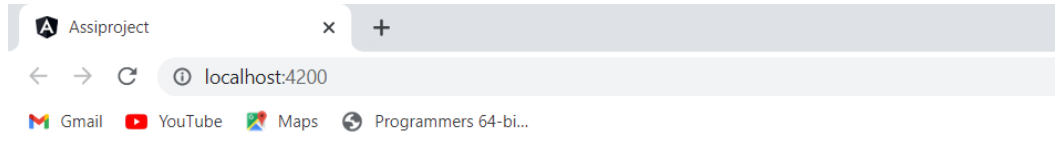
Inside Child comp

| Assi 8 -Q1 | | Send |

Assi 8 -Q1

```
//Child.ts    //Child to Parent
```

| `<> app.component.html M` | `TS child.component.ts U ×` | `TS app.component.ts M` |

```typescript
 1    import { Component,EventEmitter,Output } from '@angu
 2
 3    @Component({
 4      selector: 'app-child',
 5      templateUrl: './child.component.html',
 6      styleUrls: ['./child.component.css']
 7    })
 8    export class ChildComponent {
 9      public Msg ='';
10      @Output() public Myevent= new EventEmitter();
11
12      public SendMessage()
13      {
14          this.Myevent.emit(this.Msg);
15      }
```

//app.html

```html
<app-child (Myevent)="MessageFromChild = $event"></ap

<h1>{{MessageFromChild}}</h1>
```

//app.ts

```typescript
import { Component } from '@angular/core';

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'Assiproject';

  public MessageFromChild= '';
}
```

// Que-2 OutPut-
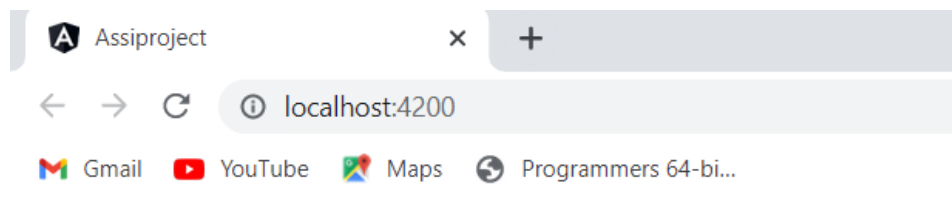
Hello Child Component

Hello Parent Component

//app.html

<> app.component.html M ×   ▷ ⑂ ▢ ⋯

```html
1  <app-child [MessageFromParent]="Msg"></app-child>
2
3  <app-child (Myevent) = "MessageFromChild = $event"></app-ch
4
5  <h1>{{MessageFromChild}}</h1>
```

//child.html

<> child.component.html U ×

```html
1  <h1>{{MessageFromParent}}</h1>
2
3  <h1>{{SendMessage()}}</h1>
```

//child.ts

```ts
import { Component,EventEmitter,Input, Output } from

@Component({
  selector: 'app-child',
  templateUrl: './child.component.html',
  styleUrls: ['./child.component.css']
})
export class ChildComponent {
    @Input() public MessageFromParent = "";

    @Output() public Myevent = new EventEmitter();

    public SendMessage()
    {
      this.Myevent.emit("Hello Parent Component");
    }
}
```
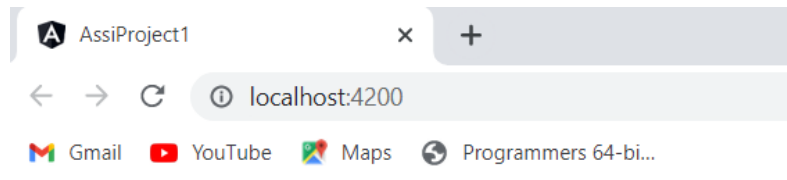
//app.ts

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

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'Assiproject';

  public Msg="Hello Child Component";

  public MessageFromChild = "";

}
```
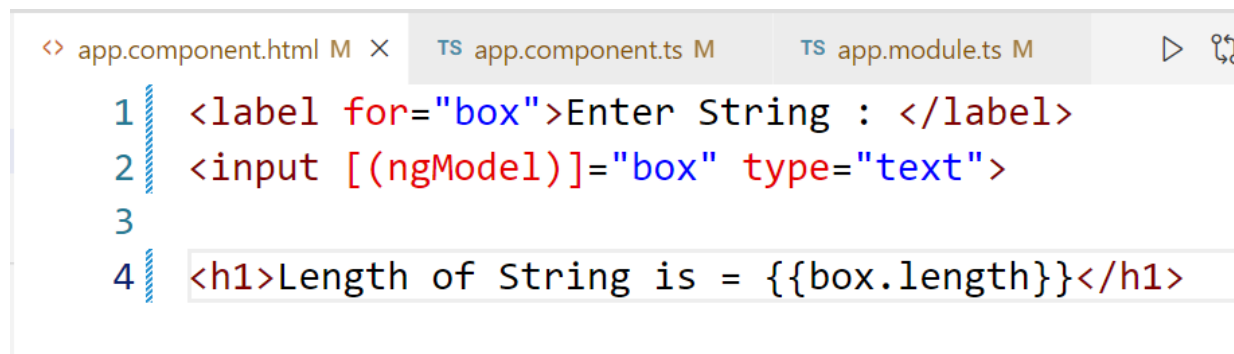
// Que-3 OutPut-

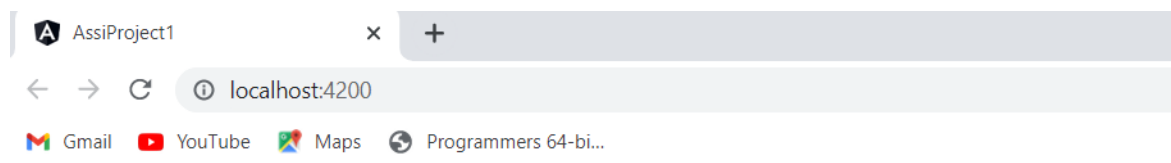Enter String : hiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii

Length of String is = 33

//Using ngModel

```html
<label for="box">Enter String : </label>
<input [(ngModel)]="box" type="text">

<h1>Length of String is = {{box.length}}</h1>
```

//Que-4 Output-

//Without Using ngModel

Demonstration of template refrance variab

Enter Name

hiiiiiiiiiiiiiiii   Submit data

Length of String : 17

//template.html

```
<> template.component.html U  ✕    TS template.component.ts U                    ▷ ⑂ ▢ ·

  1    <h1>Demonstration of template refrance variable</h1>
  2
  3    <h1>Enter Name</h1>
  4    <input #InputData type="text">
  5    <button (click)="AcceptData(InputData.value)">Submit data</button>
  6    <h1>Length of String : {{InputData.value.length}}</h1>
```

//template.ts

```
<> template.component.html U         TS template.component.ts U  ✕

  1    import { Component } from '@angular/core';
  2
  3    @Component({
  4      selector: 'app-template',
  5      templateUrl: './template.component.html',
  6      styleUrls: ['./template.component.css']
  7    })
  8    export class TemplateComponent {
  9        // Event listener for button
 10      public AcceptData(value:any)
 11      {
 12        console.log(value);
 13      }
 14    }
 15
```

//////////////////////// RID-073AM_Viraj ////////////////////////////