**Name** : Avinash
**Roll number** : 21011102019

# Angular app

Source code:

app.module.ts

```typescript
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { FormsModule } from '@angular/forms';
import { AppComponent } from './app.component';
import { MODULENAMEComponent } from './TODOS/module-name.component';

@NgModule({
  declarations: [
    AppComponent,
    MODULENAMEComponent
  ],
  imports: [
    BrowserModule,
    FormsModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

app.component.ts

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

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

app.component.html

```html
<div clas="app">
  <header>
```

```
    <h1>Todo List</h1>
  </header>
  <app-module-name></app-module-name>
</div>
```

module-name.component.ts

```typescript
import { Component,OnInit } from '@angular/core';
import{Todo} from './../models/Todo';
@Component({
  selector: 'app-module-name',
  templateUrl: './module-name.component.html',
  styleUrls: ['./module-name.component.css']
})
export class MODULENAMEComponent implements OnInit {

  todo: Todo[] = [];
  inputtodo:string=""

  constructor(){}

   ngOnInit(): void {
     this.todo=[
      {
        content:'First todo',
        completed: false
      },
      {
        content:'Second todo',
        completed: true
      }
     ]
   }

  toggleDone (id: number) {
    this.todo.map((v,i)=>{
     if(i == id) v.completed =!v.completed;

     return v;
    })
  }

  deleteTodo (id: number) {
   this.todo=this.todo.filter((v,i)=>i!==id);
  }
```

```
  addTodo(){
   this.todo.push({
     content:this.inputtodo,
     completed: false
   });
  }


}
```

module-name.component.html:

```html
<div class="todos">
    <form (submit)="addTodo()">
        <input
        type="text"
        name="inputtodo"
        placeholder="enter todo..."
        class="todo-input"
        [(ngModel)]="inputtodo"
        />
        <input type="submit" value="Add Todo" class="todo-submit"/>
    </form>
    <div *ngFor="let todo of todo;let i= index;" class="todo {{  (todo.
        completed ? 'done':'') }}">
        <div class="id">{{ i }}</div>
        <div class="content"
(click)="toggleDone(i)">{{todo.content}}</div>
        <button class="delete"(click)="deleteTodo(i)">Remove</button>
    </div>
</div>
```

module-name.component.css:

```css
.todo {
    display: flex;
    padding: 10px 15px;
    background-color: #8ddecb;
    border-bottom: 1px solid #2b1515;
}

.todo:nth-child(even) {
    background-color: #EEE;
```

```css
}

.todo:last-of-type {
    border-bottom: 0;
}

.todo .id {
    flex: 1 1 50px;
}

.todo .content {
    flex: 1 1 100%;
}

.todo.done .content {
    text-decoration: line-through;
}

.todo-input {
    display: block;
    width: 100%;
    padding: 10px 15px;
    appearance: none;
    border: none;
    background-color: #F3F3F3;
    margin-top: 15px;
    font-size: 20px;
    font-family: 'Times New Roman', Times, serif;
    outline: none;
    background-color: azure;
}

.todo-submit {
    display: block;
    width: 100%;
    max-width: 200px;
    appearance: none;
    border: none;
    outline: none;
    background: none;

    background-color: #FE4880;
    color: #FFF;
    margin: 15px auto;

    padding: 10px 15px;
```
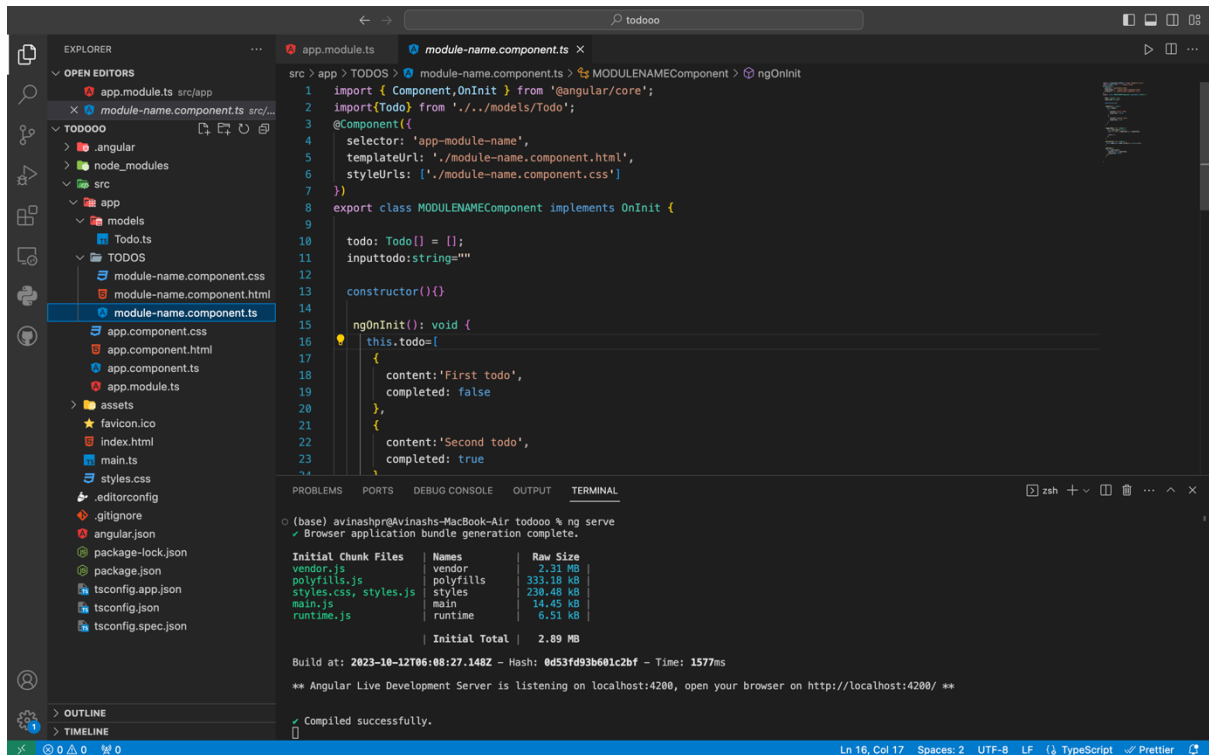
```
    font-size: 18px;
    font-weight: 700;
}
```

Output in Vs code terminal:

Output in localhost:4200



**Todo List**

enter todo...

**Add Todo**

| 0 | First todo | Remove |
| 1 | ~~Second todo~~ | Remove |