```
Name - Yash Lakhtariya
Enrollment number - 21162101012
Branch - CBA Batch - 41
FET Practical 12
Code Link for all practicals:
<a href="https://github.com/yashslakhtariya/sem4practicals/tree/main/FET">https://github.com/yashslakhtariya/sem4practicals/tree/main/FET</a>
```

Objective: To understand the framework of Angular, implement one-way, two-way bindings and structural directives (ngFor, ngIf and ngSwitch), wherever applicable.

Exercise:

Develop an Angular application that will manage a to-do list. The user should be able to see the list of to-do items, check off items that are complete, create new to-do items and delete any to-do item.

Structure:

main project : angular_practicals

component: prac12

HTML: (prac12.component.html)

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```

```
</div>
```

CSS: (prac12.component.css)

```
body {
   background-color: #fcecef;
 }
 div {
   max-width: 800px;
   margin: 0 auto;
   padding: 20px;
   background-color: #b75969;
   box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);
   border-radius: 4px;
    overflow: hidden;
 }
 h2 {
    font-size: 32px;
    font-weight: bolder;
   margin-top: 0;
   margin-bottom: 20px;
```

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```
color: #fcecef;
}
input[type="text"] {
  width: 80%;
  height: 48px;
  padding: 10px 16px;
  font-size: 16px;
  color: #222;
  border: none;
  background-color: #fcecef;
  border-radius: 4px;
  box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);
  outline: none;
}
input[type="text"]::placeholder {
  color: #888;
}
button {
  height: 48px;
  padding: 10px 16px;
  font-size: 16px;
```

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```
color: #fff;
  background-color: #5e81cc;
  border: none;
 border-radius: 4px;
  cursor: pointer;
 box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);
}
Ul {
  list-style: none;
 margin: 0;
 padding: 0;
}
li {
 position: relative;
  display: flex;
  align-items: center;
  font-size: 20px;
  font-weight: bold;
  color: #fcecef;
 padding: 16px;
  border-bottom: 1px dashed #fcecef;
```

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```
li:last-of-type {
  border-bottom: none;
}
input[type="checkbox"] {
  width: 24px;
  height: 24px;
  margin-right: 16px;
  cursor: pointer;
}
input[type="checkbox"]:checked + span {
  text-decoration: line-through;
  color: #999;
}
span {
  flex: 1;
}
.delete-button {
  display: inline-block;
  width: 24px;
```

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```

```
height: 24px;

margin-left: 16px;

background-color: #e74c3c;

color: #fff;

border: none;

border-radius: 50%;

cursor: pointer;

box-shadow: 0 2px 4px rgba(0, 0, 0, 0.2);

}

.delete-button:hover {

background-color: #c0392b;
}
```

TS: (prac12.component.ts)

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

@Component({
    selector: 'app-prac12',
    templateUrl: './prac12.component.html',
    styleUrls: ['./prac12.component.css']
})

export class Prac12Component {
    list: string[] = [];
```

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```

```
txt = "";
create()
{
  if(this.txt ≠ "")
  {
    this.list.push(this.txt);
    this.txt = "";
  }
  else
  {
    alert("Empty Task not allowed");
  }
}
remove(item: string)
{
  let indx = this.list.indexOf(item);
  if(indx \geq 0)
  {
    this.list.splice(indx, 1);
  }
}
```

Output:

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