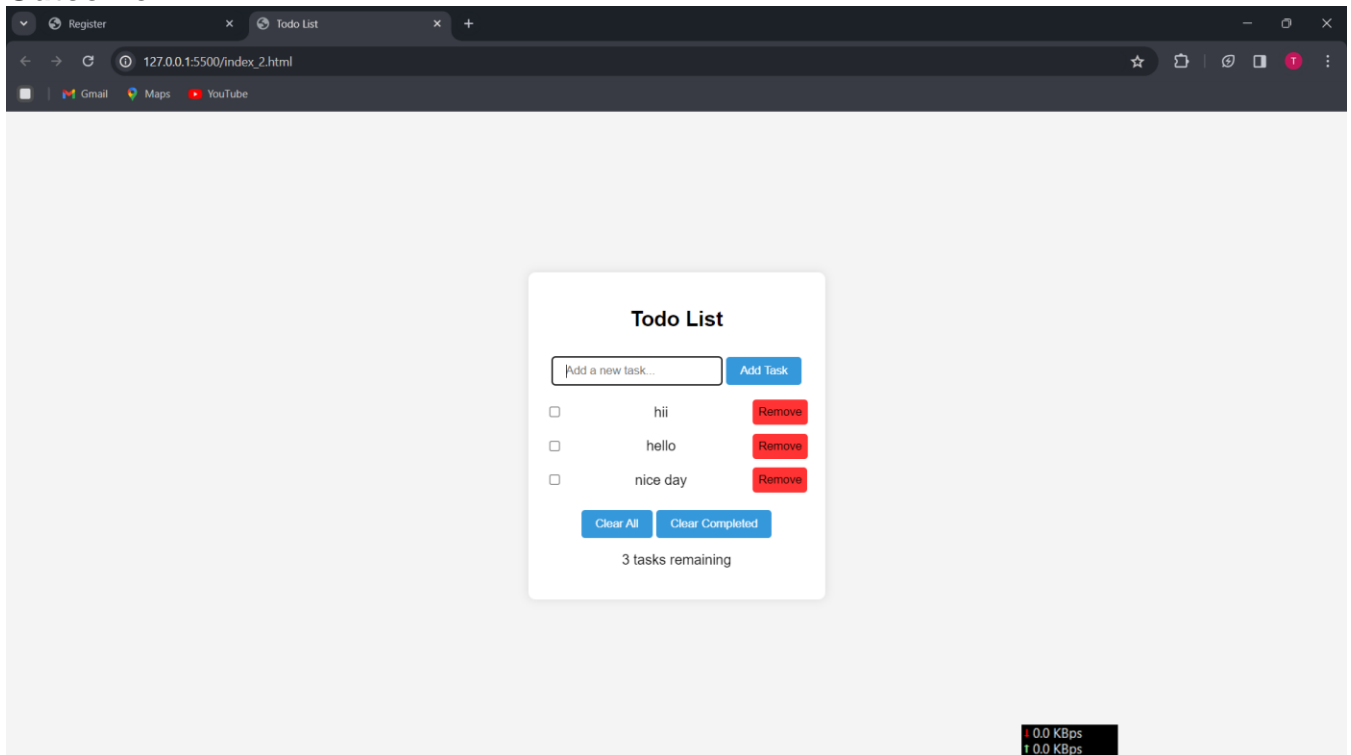


Lab#3 Create a web-based TODO App using AngularJS.

Outcome:



Html:

index.html

```
<!DOCTYPE html>
<html lang="en" ng-app="todoApp">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Todo List</title>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <div ng-controller="todoController" class="todo-container">
      <h2>Todo List</h2>
      <form ng-submit="addTask()">
        <input
          class="input"
          type="text"
          ng-model="newTask"
          placeholder="Add a new task..."
          required
        />
        <button type="submit" class="btn">Add Task</button>
      </form>

      <div class="todo-item" ng-repeat="task in tasks track by $index">
        <input
          type="checkbox"
          ng-model="task.completed"
          ng-change="updateTask()"
        />
        <span>{{ task.taskdec }}</span>
        <button class="remove-btn" ng-
click="removeTask(task)">Remove</button>
      </div>
    </div>
  </body>
</html>
```

Lab#3 Create a web-based TODO App using AngularJS.

```
</div>

<button ng-click="clearAll()" class="btn">Clear All</button>
<button ng-click="clearCompleted()" class="btn">Clear
Completed</button>

<p>{{ remainingTasks() }} tasks remaining</p>
</div>

<script
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"><
/script>
<script src="script.js"></script>
</body>
</html>
```

style.css

```
body {
    font-family: Arial, sans-serif;
    background-color: #f4f4f4;
    margin: 0;
    display: flex;
    align-items: center;
    justify-content: center;
    height: 100vh;
}
.todo-container {
    background-color: #fff;
    border-radius: 8px;
    box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    padding: 20px;
    width: 300px;
    text-align: center;
}

.todo-item {
    display: flex;
    justify-content: space-between;
    align-items: center;
    margin-bottom: 10px;
}

.todo-item input {
    margin-right: 10px;
}

.btn {
    background-color: #3498db;
    color: #fff;
    padding: 8px 16px;
    border: none;
    border-radius: 4px;
    cursor: pointer;
    margin-top: 10px;
}

form{
    margin-bottom: 1rem
}

.btn:hover {
```

Lab#3 Create a web-based TODO App using AngularJS.

```
background-color: #2980b9;
}
.remove-btn{
background-color: rgba(255, 0, 0, 0.8);
padding: 0.4rem;
border-radius: 4px;
border: none;
cursor: pointer;
}
input{
padding: 8px 16px;
border-radius: 4px;
border: 1px solid black;
}
```

app.js

```
var app = angular.module("todoApp", []);
app.run(function ($rootScope) {
  $rootScope.tasks = JSON.parse(localStorage.getItem("tasks")) || [];
  console.log($rootScope);
});

app.controller("todoController", function ($rootScope, $scope) {
  // $scope.tasks = [];
  $scope.newTask = "";

  $scope.addTask = function () {
    if ($scope.newTask.trim() !== "") {
      $rootScope.tasks.push({
        taskdec: $scope.newTask,
        completed: false,
      });
      $scope.newTask = "";
      $scope.updateTask();
    }
  };

  $scope.updateTask = function () {
    localStorage.setItem("tasks", JSON.stringify($rootScope.tasks));
  };

  $scope.removeTask = function (task) {
    var index = $scope.tasks.indexOf(task);
    $rootScope.tasks.splice(index, 1);
    $scope.updateTask();
  };

  $scope.clearAll = function () {
    $rootScope.tasks = [];
    $scope.updateTask();
  };

  $scope.clearCompleted = function () {
    $rootScope.tasks = $scope.tasks.filter(function (task) {
      return !task.completed;
    });
    $scope.updateTask();
  };

  $scope.remainingTasks = function () {
    var count = 0;
```

Lab#3 Create a web-based TODO App using AngularJS.

```
angular.forEach($scope.tasks, function (task) {  
    count += task.completed ? 0 : 1;  
});  
return count;  
};  
});
```