EXPLORER   ···   `</>` index.html   `</>` app.component.html   TS app.component.ts   TS app.e2e-spec.ts   TS app.po.ts ✕   # app.component.css   TS app.component.spec.ts

> OPEN EDITORS

∨ ANGULAR-QUIZ-APPLICAT...

  > .github

  ∨ e2e

    ∨ src

     TS app.e2e-spec.ts

     TS app.po.ts

   JS protractor.conf.js

   {} tsconfig.e2e.json

  > node_modules

  ∨ src   ●

   ∨ app   ●

    # app.compon...   M

    `</>` app.compon...   M

    TS app.component.sp...

    TS app.compon...   M

    TS app.module.ts

    TS question-class.ts

   > assets

   > environments

   ≡ browserslist

   ★ favicon.ico

   `</>` index.html

   K karma.conf.js

   TS main.ts

   TS polyfills.ts

   # styles.css

   TS test.ts

   {} tsconfig.app.json

   {} tsconfig.spec.json

   {} tslint.json

> OUTLINE

> TIMELINE

e2e > src > TS app.po.ts > ...

```typescript
1    import { browser, by, element } from 'protractor';
2
3    export class AppPage {
4      navigateTo() {
5        return browser.get('/');
6      }
7
8      getParagraphText() {
9        return element(by.css('app-root h1')).getText();
10     }
11   }
12
```

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EXPLORER

<> index.html   <> app.component.html ✕   TS app.component.ts   TS app.e2e-spec.ts   TS app.po.ts   # app.component.css   TS app.component.spec.ts

> OPEN EDITORS

src > app > <> app.component.html > 𝌆 div.container > 𝌆 h3

∨ ANGULAR-QUIZ-APPLICAT...

> .github
∨ e2e
  ∨ src
    TS app.e2e-spec.ts
    TS app.po.ts
  JS protractor.conf.js
  {} tsconfig.e2e.json
> node_modules
∨ src
  ∨ app
    # app.compon...   M
    <> app.compon...   M
    TS app.component.sp...
    TS app.compon...   M
    TS app.module.ts
    TS question-class.ts
  > assets
  > environments
  ≡ browserslist
  ★ favicon.ico
  <> index.html
  K karma.conf.js
  TS main.ts
  TS polyfills.ts
  # styles.css
  TS test.ts
  {} tsconfig.app.json
  {} tsconfig.spec.json
  {} tslint.json

> OUTLINE
> TIMELINE

```html
108                <span style="color:☐red;" [hidden]="!(a?.invalid)">*</span>
109                <input type="text" class="form-control" name="a" placeholder="Enter First Option" [(ngModel)]="questionObj.a" [ngClass]="{
110                    'is-invalid': a?.invalid && (a?.dirty ||a?.touched),
111                    'is-valid': a?.valid && (a?.dirty || a?.touched)
112                }" #a="ngModel" required>
113                <div class="invalid-feedback" *ngIf="a.errors && (a.dirty || a.touched)">
114                    <p *ngIf="a.errors.required">Option is required</p>
115                </div>
116            </div>
117        </div>
118        <div class="col-sm-12 col-12 col-lg-6">
119            <div class="form-group">
120                <label for="b">Option b.</label>
121                <span style="color:☐red;" [hidden]="!(b?.invalid)">*</span>
122                <input type="text" class="form-control" name="b" placeholder="Enter Second Option" [(ngModel)]="questionObj.b" [ngClass]="{
123                    'is-invalid': b?.invalid && (b?.dirty ||b?.touched),
124                    'is-valid': b?.valid && (b?.dirty || b?.touched)
125                }" #b="ngModel" required>
126                <div class="invalid-feedback" *ngIf="b.errors && (b.dirty || b.touched)">
127                    <p *ngIf="b.errors.required">Option is required</p>
128                </div>
129            </div>
130        </div>
131    </div>
132    <div class="row">
133        <div class="col-sm-12 col-12 col-lg-6">
134            <div class="form-group">
135                <label for="c">Option c.</label>
136                <span style="color:☐red;" [hidden]="!(c?.invalid)">*</span>
137                <input type="text" class="form-control" name="c" placeholder="Enter Third Option" [(ngModel)]="questionObj.c" [ngClass]="{
138                    'is-invalid': c?.invalid && (c?.dirty ||c?.touched),
139                    'is-valid': c?.valid && (c?.dirty || c?.touched)
140                }" #c="ngModel" required>
141                <div class="invalid-feedback" *ngIf="c.errors && (c.dirty || c.touched)">
142                    <p *ngIf="c.errors.required">Option is required</p>
143                </div>
144            </div>
```

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EXPLORER   <> index.html   <> app.component.html ✕   TS app.component.ts   TS app.e2e-spec.ts   TS app.po.ts   # app.component.css   TS app.component.spec.ts

> OPEN EDITORS   src > app > <> app.component.html > ⬦ div.container > ⬦ h3
∨ ANGULAR-QUIZ-APPLICAT... 147   <div class="form-group">
  > .github   148   <label for="b">Option d.</label>
  ∨ e2e   149   *
    ∨ src   150   <input type="text" class="form-control" name="d" placeholder="Enter fourth Option" [(ngModel)]="questionObj.d" [ngClass]="{
      TS app.e2e-spec.ts   151   'is-invalid': d?.invalid && (d?.dirty ||d?.touched),
      TS app.po.ts   152   'is-valid': d?.valid && (d?.dirty || d?.touched)
    JS protractor.conf.js   153   }" #d="ngModel" required>
    {} tsconfig.e2e.json   154   <div class="invalid-feedback" *ngIf="d.errors && (d.dirty || d.touched)">
  > node_modules   155   <p *ngIf="d.errors.required">Option is required</p>
  ∨ src   ●   156   </div>
    ∨ app   ●   157   </div>
      # app.compon...   M   158   </div>
      <> app.compon... M   159   </div>
      TS app.component.sp... 160
      TS app.compon... M   161   <div class="form-group row">
      TS app.module.ts   162   <label class="col-md-12 label-font">Choose Correct Answer Option
      TS question-class.ts 163   *
    > assets   164   </label>
    > environments   165   <div class="col-md-12">
    ☰ browserslist   166   <div class="form-check form-check-inline mr-2">
    ★ favicon.ico   167   <input class="form-check-input" type="radio" name="answer" value="a" [(ngModel)]="questionObj.answer" #answer="ngModel" required>
    <> index.html   168   <label class="form-check-label">a.</label>
    K karma.conf.js   169   </div>
    TS main.ts   170   <div class="form-check form-check-inline mr-2">
    TS polyfills.ts   171   <input class="form-check-input" type="radio" name="answer" value="b" [(ngModel)]="questionObj.answer" #answer="ngModel" required>
    # styles.css   172   <label class="form-check-label">b.</label>
    TS test.ts   173   </div>
    {} tsconfig.app.json   174   <div class="form-check form-check-inline mr-2">
    {} tsconfig.spec.json   175   <input class="form-check-input" type="radio" name="answer" value="c" [(ngModel)]="questionObj.answer" #answer="ngModel" required>
    {} tslint.json   176   <label class="form-check-label">c.</label>
                            177   </div>
> OUTLINE   178   <div class="form-check form-check-inline mr-2">
> TIMELINE   179   <input class="form-check-input" type="radio" name="answer" value="d" [(ngModel)]="questionObj.answer" #answer="ngModel" required>
                            180   <label class="form-check-label">d.</label>
                            181   </div>
                            182   </div>
                            183   </div>

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EXPLORER   `<>` index.html   `<>` app.component.html ✕   TS app.component.ts   TS app.e2e-spec.ts   TS app.po.ts   # app.component.css   TS app.component.spec.ts

> OPEN EDITORS   src > app > `<>` app.component.html > ⬡ div.container > ⬡ h3

∨ ANGULAR-QUIZ-APPLICAT...   183   `</div>`
  > .github   184   `</form>`
  ∨ e2e   185   `<span>`
    ∨ src   186   `<button type="button" class="btn btn-primary" (click)="submitAddQuestion()" [disabled]="questionForm.invalid" [class.cursor-restriction]="`
      TS app.e2e-spec.ts   187   `style="margin-right: 17px;">ADD Question</button>`
      TS app.po.ts   188   `</span>`
    JS protractor.conf.js   189   `<button type="button" class="btn btn-default" (click)="addQuestionModal.hide()">Close</button>`
    {} tsconfig.e2e.json   190   `</div>`
  > node_modules   191   `</div>`
  ∨ src   ●   192   `<!-- /.modal-content -->`
    ∨ app   ●   193   `</div>`
      # app.compon... M   194   `<!-- /.modal-dialog -->`
      `<>` app.compon... M   195   `</div>`
      TS app.component.sp... 196   `<!-- /.modal -->`
      TS app.compon... M   197   `<div bsModal #answerModal="bs-modal" class="modal fade" [config]="{backdrop: 'static'}" tabindex="-1" role="dialog" aria-labelledby="myModalLabel"`
      TS app.module.ts   198   `aria-hidden="true">`
      TS question-class.ts   199   `<div class="modal-dialog" role="document">`
    > assets   200   `<div class="modal-content">`
    > environments   201   `<div class="modal-body text-center" style="color: ◼#196f77;">`
    ≡ browserslist   202   `<div *ngFor="let ques of allQuestions" [style.color]="!ques.selected? '#ffc107' : ques.selected == ques.answer ? 'green': 'red'">`
    ★ favicon.ico   203   `<div>{{ques.question}}</div>`
    `<>` index.html   204   `<div>Your Answer: {{ques[ques.selected]}}</div>`
    K karma.conf.js   205   `<div>Right Answer: {{ques.answer}}) {{ques[ques.answer]}}</div>`
    TS main.ts   206   `<hr>`
    TS polyfills.ts   207   `</div>`
    # styles.css   208   `<button type="button" class="btn btn-default" (click)="answerModal.hide()" style="margin-left: 17px;">Close</button>`
    TS test.ts   209   `</div>`
    {} tsconfig.app.json   210   `</div>`
    {} tsconfig.spec.json   211   `</div>`
    {} tslint.json   212   `<!-- /.modal-content -->`
                             213   `<!-- /.modal-dialog -->`
> OUTLINE   214 `</div>`
> TIMELINE   215 `<!-- /.modal -->`

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EXPLORER ···   <> index.html   <> app.component.html ✕   TS app.component.ts   TS app.e2e-spec.ts   TS app.po.ts   # app.component.css   TS app.component.spec.ts

> OPEN EDITORS   src > app > <> app.component.html > ⬡ div.container > ⬡ h3

∨ ANGULAR-QUIZ-APPLICAT...
> .github
∨ e2e
  ∨ src
    TS app.e2e-spec.ts
    TS app.po.ts
  JS protractor.conf.js
  {} tsconfig.e2e.json
> node_modules
∨ src   ●
  ∨ app   ●
    # app.compon...   M
    <> app.compon... M
    TS app.component.sp...
    TS app.compon... M
    TS app.module.ts
    TS question-class.ts
  > assets
  > environments
  ≡ browserslist
  ★ favicon.ico
  <> index.html
  🗋 karma.conf.js
  TS main.ts
  TS polyfills.ts
  # styles.css
  TS test.ts
  {} tsconfig.app.json
  {} tsconfig.spec.json
  {} tslint.json
> OUTLINE
> TIMELINE

```html
                    <label class="form-check-label">b){{ques.b}}</label>
37                </div>
38                <div class="form-check form-check-inline mr-1">
39                  <input class="form-check-input" type="radio" name="{{ques.id}}" value="c" [(ngModel)]="ques.selected">
40                    <label class="form-check-label">c){{ques.c}}</label>
41                </div>
42                <div class="form-check form-check-inline mr-1">
43                  <input class="form-check-input" type="radio" name="{{ques.id}}" value="d" [(ngModel)]="ques.selected">
44                    <label class="form-check-label">d){{ques.d}}</label>
45                </div>
46              </div>
47            </div>
48            <hr>
49          </div>
50        </form>
51        <div class="row">
52          <div class="col-12" style="justify-content: center;display: flex;">
53            <button type="button" class="btn btn-default" (click)="HomePage()" style="margin-right: 30px;">Cancel</button>
54            <button type="button" class="btn btn-primary" (click)="submitTest()">Submit</button>
55          </div>
56        </div>
57      </div>
58    </div>
59  </div>
60  <div bsModal #submitModal="bs-modal" class="modal fade" [config]="{backdrop: 'static'}" tabindex="-1" role="dialog" aria-labelledby="myModalLabel"
61    aria-hidden="true">
62    <div class="modal-dialog" role="document">
63      <div class="modal-content">
64        <div class="modal-body text-center" style="color: ■#196f77;">
65          <h4>Total Questions: {{allQuestions.length}} </h4>
66          <h4>
67            Total Answered: {{totalAnswered}}
68          </h4>
69          <h4>
70            Right Answer : {{rightAnswer}}
71          </h4>
72          <span>
73            <button type="button" class="btn btn-primary" (click)="checkAnswers()" style="margin-right: 17px;">Answer</button>
```

EXPLORER   ···   <> index.html   <> app.component.html ✕   TS app.component.ts   TS app.e2e-spec.ts   TS app.po.ts   # app.component.css   TS app.component.spec.ts

> OPEN EDITORS   src > app > <> app.component.html > ⬦ div.container > ⬦ h3
∨ ANGULAR-QUIZ-APPLICAT...   76 | </div>
  > .github   77   </div>
  ∨ e2e   78   <!-- /.modal-content -->
    ∨ src   79   </div>
      TS app.e2e-spec.ts   80   <!-- /.modal-dialog -->
      TS app.po.ts   81   </div>
      JS protractor.conf.js   82   <!-- /.modal -->
      {} tsconfig.e2e.json   83   <div bsModal #addQuestionModal="bs-modal" class="modal fade" [config]="{backdrop: 'static'}" tabindex="-1" role="dialog"
  > node_modules   84   aria-labelledby="myModalLabel" aria-hidden="true">
  ∨ src   ●   85   <div class="modal-dialog modal-lg" role="document">
    ∨ app   ●   86   <div class="modal-content">
      # app.compon...   M   87   <div class="modal-body text-center" style="color: ■#196f77;">
      <> app.compon... M   88   <form #questionForm="ngForm" novalidate>
      TS app.component.sp...   89   <div class="row">
      TS app.compon... M   90   <div class="col-sm-12 col-12 col-lg-12">
      TS app.module.ts   91   <div class="form-group">
      TS question-class.ts   92   <label for="question" class="label-font"> Add Question</label>
    > assets   93   *
    > environments   94   <input type="text" class="form-control" name="question" placeholder="Enter Question" [(ngModel)]="questionObj.question" [ngClass]="{
    ☰ browserslist   95   'is-invalid': question?.invalid && (question?.dirty ||question?.touched),
    ★ favicon.ico   96   'is-valid': question?.valid && (question?.dirty || question?.touched)
    <> index.html   97   }" #question="ngModel" required>
    K karma.conf.js   98   <div class="invalid-feedback" *ngIf="question.errors && (question.dirty || question.touched)">
    TS main.ts   99   <p *ngIf="question.errors.required">Question Description is required</p>
    TS polyfills.ts   100   </div>
    # styles.css   101   </div>
    TS test.ts   102   </div>
    {} tsconfig.app.json   103   </div>
    {} tsconfig.spec.json   104   <div class="row">
    {} tslint.json   105   <div class="col-sm-12 col-12 col-lg-6">
                              106   <div class="form-group">
> OUTLINE   107   <label for="a">Option a.</label>
> TIMELINE   108   *
                              109   <input type="text" class="form-control" name="a" placeholder="Enter First Option" [(ngModel)]="questionObj.a" [ngClass]="{
                              110   'is-invalid': a?.invalid && (a?.dirty ||a?.touched),
                              111   'is-valid': a?.valid && (a?.dirty || a?.touched)
                              112   }" #a="ngModel" required>

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EXPLORER ···   <> index.html ✕   <> app.component.html   TS app.component.ts   TS app.e2e-spec.ts   TS app.po.ts   # app.component.css   TS app.component.spec.ts

> OPEN EDITORS

∨ ANGULAR-QUIZ-APPLICAT...

> .github
∨ e2e
  ∨ src
    TS app.e2e-spec.ts
    TS app.po.ts
  JS protractor.conf.js
  {} tsconfig.e2e.json
> node_modules
∨ src
  ∨ app   ●
    # app.compon...   M
    <> app.compon...   M
    TS app.component.sp...
    TS app.compon...   M
    TS app.module.ts
    TS question-class.ts
  > assets
  > environments
  ≡ browserslist
  ★ favicon.ico
  <> index.html
  K karma.conf.js
  TS main.ts
  TS polyfills.ts
  # styles.css
  TS test.ts
  {} tsconfig.app.json
  {} tsconfig.spec.json
  {} tslint.json

> OUTLINE
> TIMELINE

src > <> index.html > ...

```html
 1  <!doctype html>
 2  <html lang="en">
 3  <head>
 4    <meta charset="utf-8">
 5    <title>Angular Quiz</title>
 6    <base href="/">
 7
 8    <meta name="viewport" content="width=device-width, initial-scale=1">
 9    <link rel="icon" type="image/x-icon" href="favicon.ico">
10  </head>
11  <body>
12    <app-root></app-root>
13  </body>
14  </html>
15
```

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ANGULAR-QUIZ-APPLICAT...
> .github
∨ e2e
  ∨ src
    TS app.e2e-spec.ts
    TS app.po.ts
  JS protractor.conf.js
  {} tsconfig.e2e.json
> node_modules
∨ src
  ∨ app   ●
    # app.compon...   M
    <> app.compon...   M
    TS app.component.sp...
    TS app.compon...   M
    TS app.module.ts
    TS question-class.ts
  > assets
  > environments
  ≡ browserslist
  ★ favicon.ico
  <> index.html
  K karma.conf.js
  TS main.ts
  TS polyfills.ts
  # styles.css
  TS test.ts
  {} tsconfig.app.json
  {} tsconfig.spec.json
  {} tslint.json
> OUTLINE
> TIMELINE

src > app > <> app.component.html > ⊗ div.container > ⊗ h3

```html
1   <div class="container">
2     <h3 style="text-align:center">
3       Welcome to Quiz.
4     </h3>
5     <div class="card" [hidden]="isQuestionCardShow">
6       <div class="card-body">
7         <h5 class="card-title" style="text-align:center">Choose Option &#x263A; </h5>
8         <!-- <p class="card-text">Some quick example text to build on the card title and make up the bulk of the card's content.</p> -->
9         <div class="row justify-content-md-center">
10          <div class="col-sm-12 col-lg-3">
11            <button class="btn btn-block btn-outline-primary cursor-restriction" (click)="addQuestion()" style="margin-top: 24px;">
12              Add Questions </button>
13
14          </div>
15          <div class="col-sm-12 col-lg-3">
16            <button class="btn btn-block btn-outline-primary cursor-restriction" style="margin-top: 24px;" (click)="startQuiz()">
17              Start Quiz </button>
18          </div>
19        </div>
20      </div>
21    </div>
22    <div class="card" [hidden]="!isQuestionCardShow">
23      <div class="card-body">
24        <form #questionTest="ngForm" novalidate>
25          <div *ngFor="let ques of allQuestions">
26            <div>{{ques.question}}</div>
27            <div class="form-group row">
28              <label class="col-md-3 col-form-label">Choose Correct Option</label>
29              <div class="col-md-9 col-form-label">
30                <div class="form-check form-check-inline mr-1">
31                  <input class="form-check-input" type="radio" name="{{ques.id}}" value="a" [(ngModel)]="ques.selected">
32                  <label class="form-check-label">a) {{ques.a}} </label>
33                </div>
34                <div class="form-check form-check-inline mr-1">
35                  <input class="form-check-input" type="radio" name="{{ques.id}}" value="b" [(ngModel)]="ques.selected">
36                  <label class="form-check-label">b){{ques.b}}</label>
37              </div>
```