

```
1 import os
2
3 from cs50 import SQL
4 from flask import Flask, flash, jsonify, redirect, render_template, request, session
5
6 # Configure application
7 app = Flask(__name__)
8
9 # Ensure templates are auto-reloaded
10 app.config["TEMPLATES_AUTO_RELOAD"] = True
11
12 # Configure CS50 Library to use SQLite database
13 db = SQL("sqlite:///students.db")
14
15
16 @app.after_request
17 def after_request(response):
18     """Ensure responses aren't cached"""
19     response.headers["Cache-Control"] = "no-cache, no-store, must-revalidate"
20     response.headers["Expires"] = 0
21     response.headers["Pragma"] = "no-cache"
22     return response
23
24
25 @app.route("/", methods=["GET", "POST"])
26 def index():
27     if request.method == "POST":
28
29         # TODO: Add the user's entry into the database
30
31         # Access form data
32         ID = request.form.get("ID")
33         quizz_1 = request.form.get("quizz_1")
34         midterm_test = request.form.get("midterm_test")
35         quizz_2 = request.form.get("quizz_2")
36         exam = request.form.get("exam")
37         total_score = int(quizz_1) + int(midterm_test) + int(quizz_2) + int(exam)
38
39         # Update data into database
40         db.execute("UPDATE students SET quizz_1=%s, midterm_test=%s, quizz_2=%s,
41 exam=%s, total_score=%s WHERE id='%s' " % (quizz_1, midterm_test, quizz_2, exam,
42 total_score, ID))
43
44         # Go back to homepage
45         return redirect("/")
46
47     else:
48
49         # TODO: Display the entries in the database on index.html
50
51         # Query for all students
52         students = db.execute("SELECT * FROM students ORDER BY total_score DESC")
53
54         # Query for all score results
55         score_result = db.execute("SELECT AVG(total_score) AS average,
56 MAX(total_score) AS maximum, MIN(total_score) AS minimum FROM students")
57
58         # Render students page
```

```
56         return render_template("index.html", students=students,  
score_result=score_result)  
57  
58  
59
```