4.4 Simulation Results

4.4.1 Login and Sign up Pages

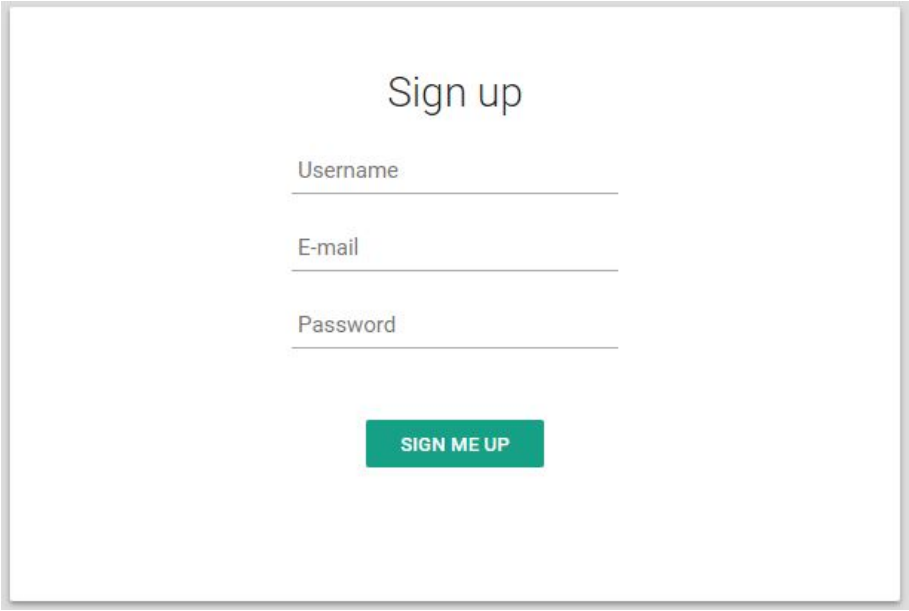

Figure 4.1: Sign up page

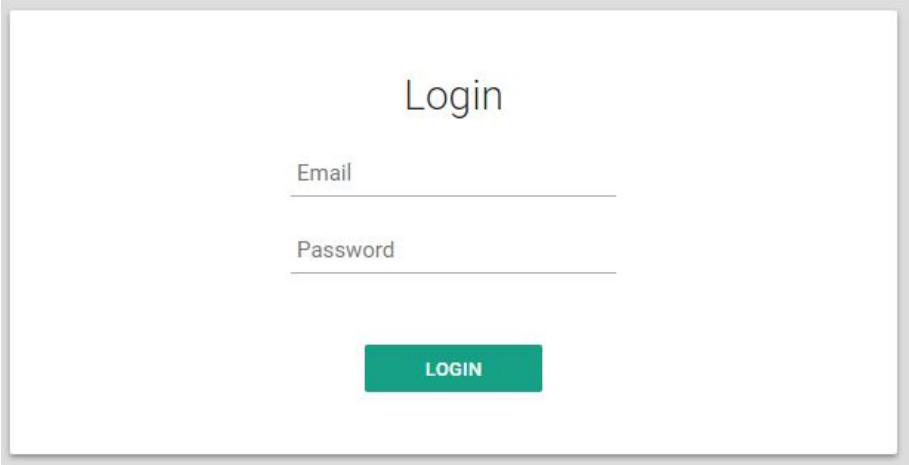

Figure 4.2: Login page

4.4.2 C++ Language Sample Example

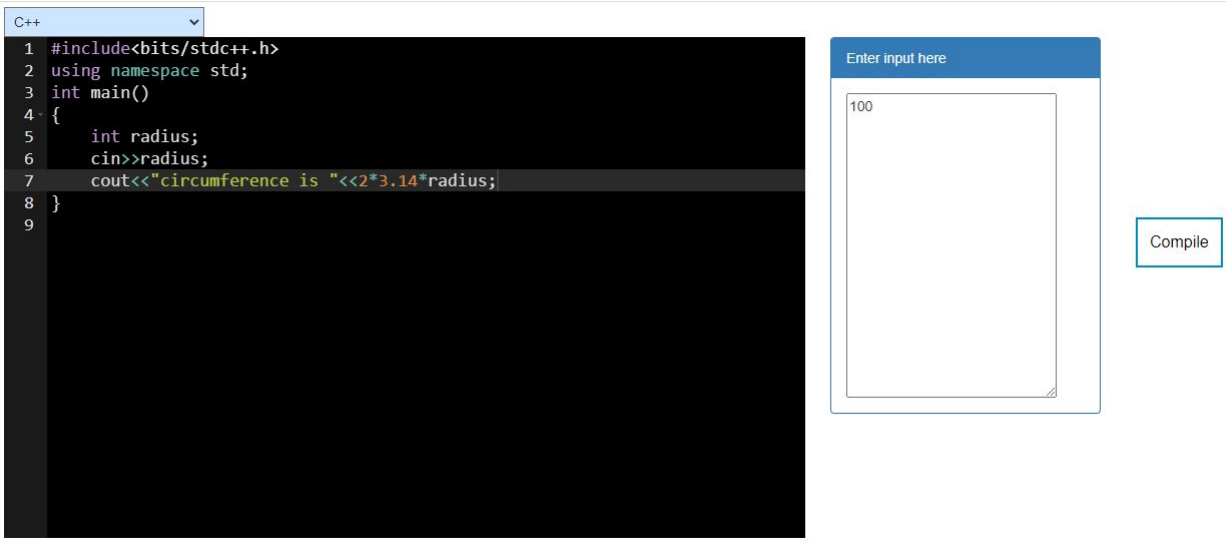

Figure 4.3: C++ code

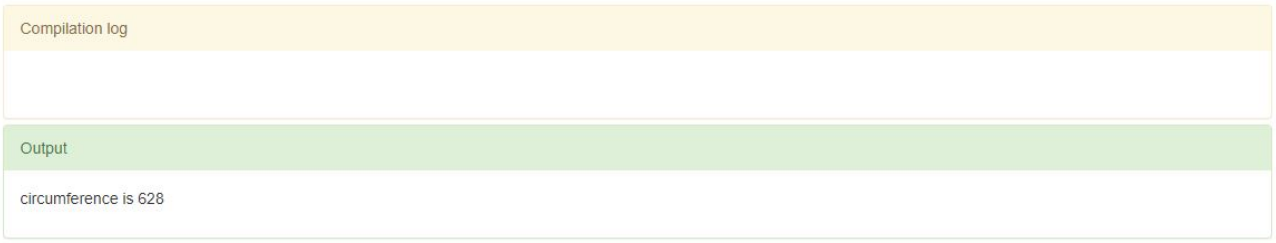

Figure 4.4: C++ code output

4.4.3 Python Language Sample Example

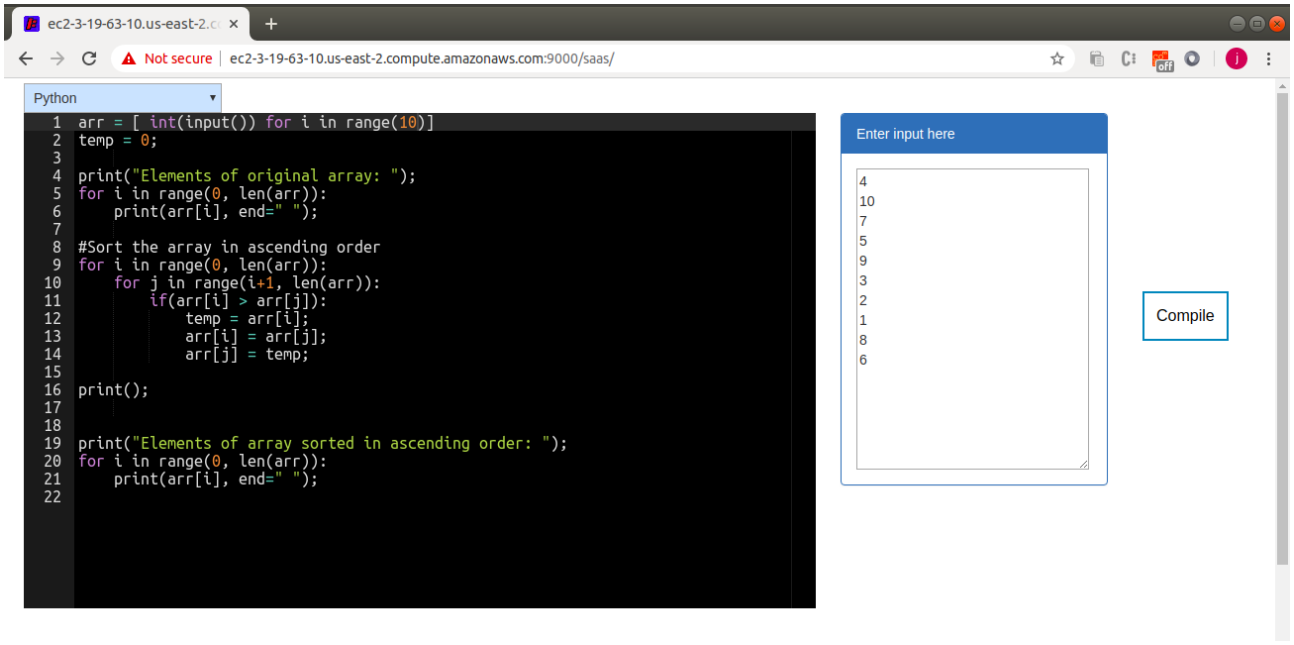

Figure 4.5: Python code

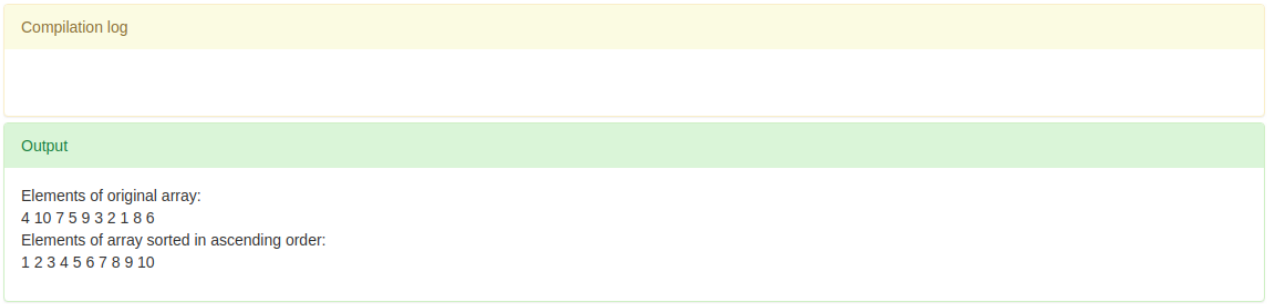

Figure 4.6: Python code output

4.4.4 Scilab Example

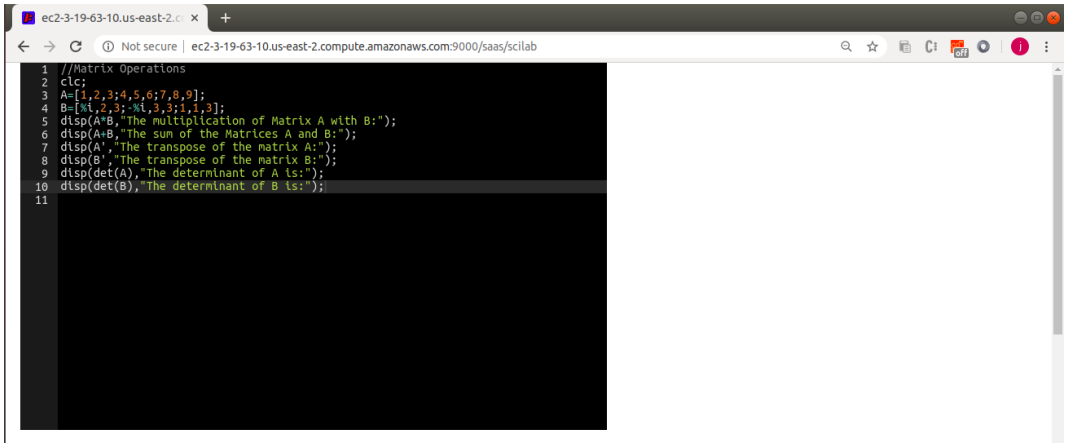

Figure 4.7: Scilab code

Figure 4.8: Scilab code output

4.4.5 Scilab Example for Sine Wave

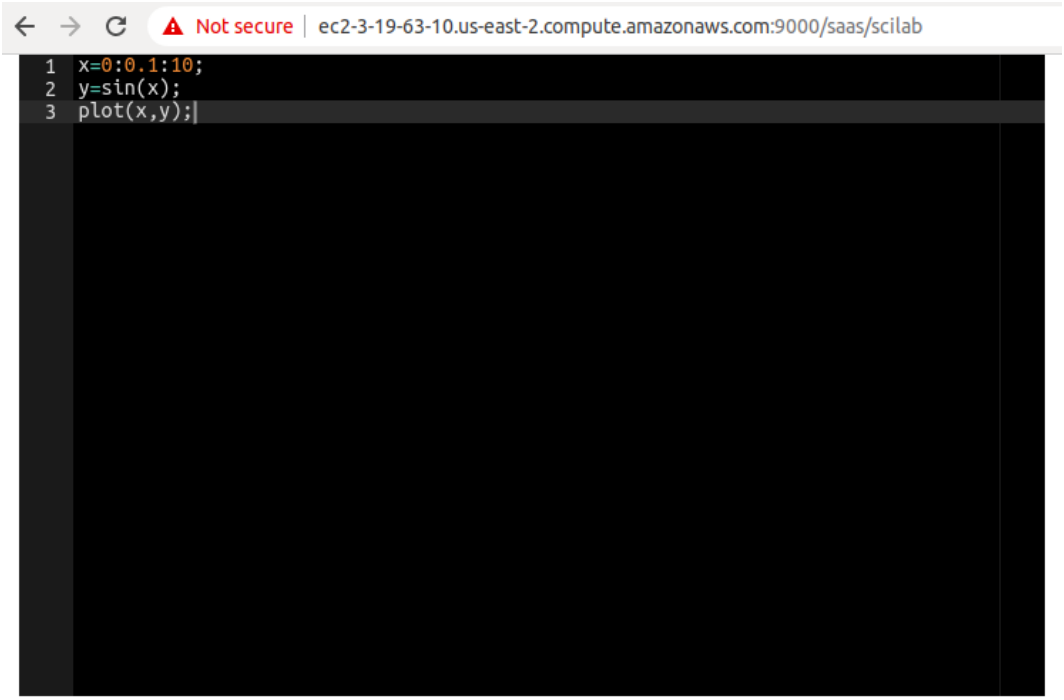

Figure 4.9: Sine wave code

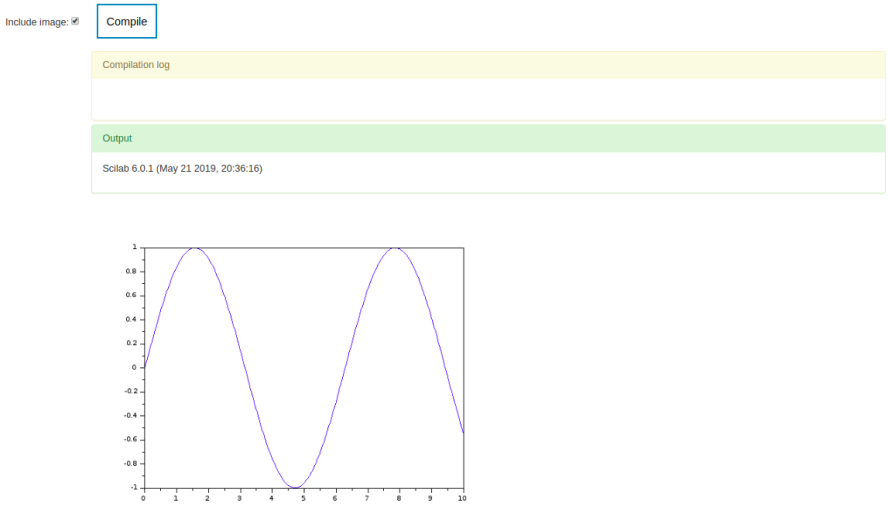

Figure 4.10: Sine wave code output

4.4.6 Scilab Example for Subplot

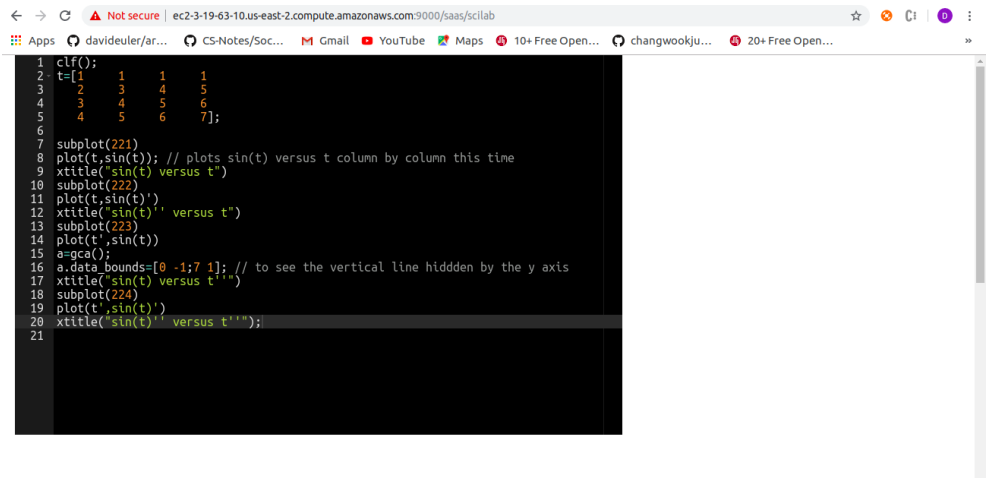

Figure 4.11: Subplot code

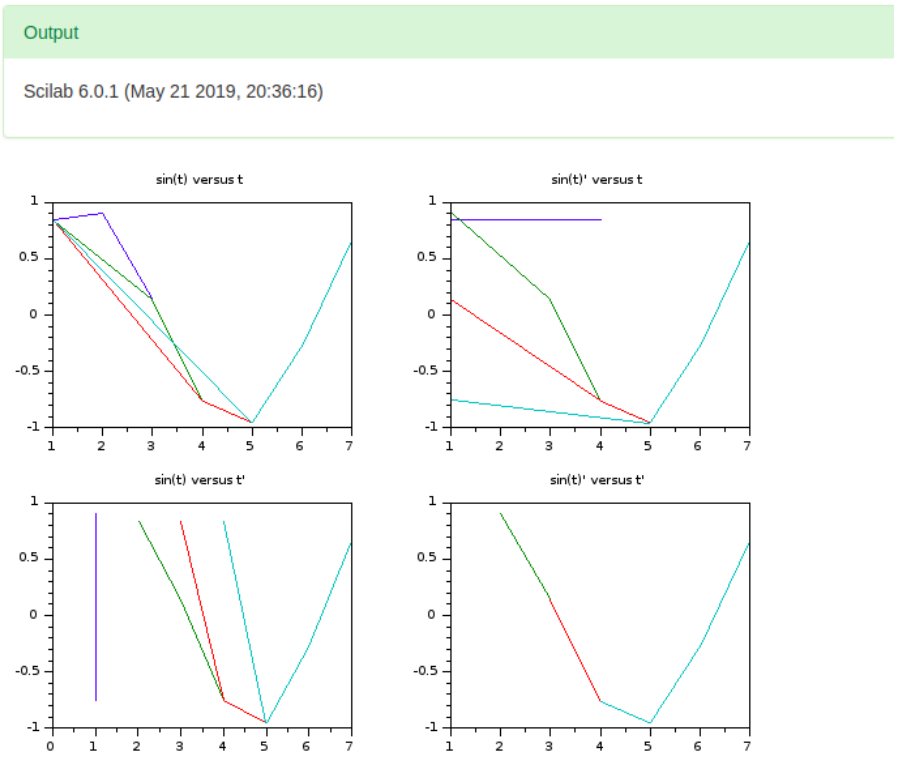

Figure 4.12: Subplot code output

4.4.7 Mysql Sample Example 1

```
CREATE TABLE SampleTable (
id INT(6) NOT NULL,
firstname VARCHAR(30) NOT NULL,
lastname VARCHAR(30) NOT NULL
);

insert into SampleTable values (1,"Jaimin","Rathod");
insert into SampleTable values (2,"Viram","Shah");
insert into SampleTable values (3,"Dhruv","Tandel");

select * from SampleTable;
```

Compile

Figure 4.13: Mysql code 1

```
Output

id firstname lastname
1 Jaimin Rathod
2 Viram Shah
3 Dhruv Tandel
```

Figure 4.14: Mysql code output 1

4.4.8 Mysql Sample Example 2

```
1 select lastname from SampleTable where id=1;
2 select * from SampleTable order by id desc;
3 delete from SampleTable where id=2;
4 select * from SampleTable;
5
```

Compile

Figure 4.15: Mysql code 2

```
Output

lastname
Rathod
id firstname lastname
3 Dhruv Tandel
2 Viram Shah
1 Jaimin Rathod
id firstname lastname
1 Jaimin Rathod
3 Dhruv Tandel
```

Figure 4.16: Mysql code output 2

4.4.9 Add Contest

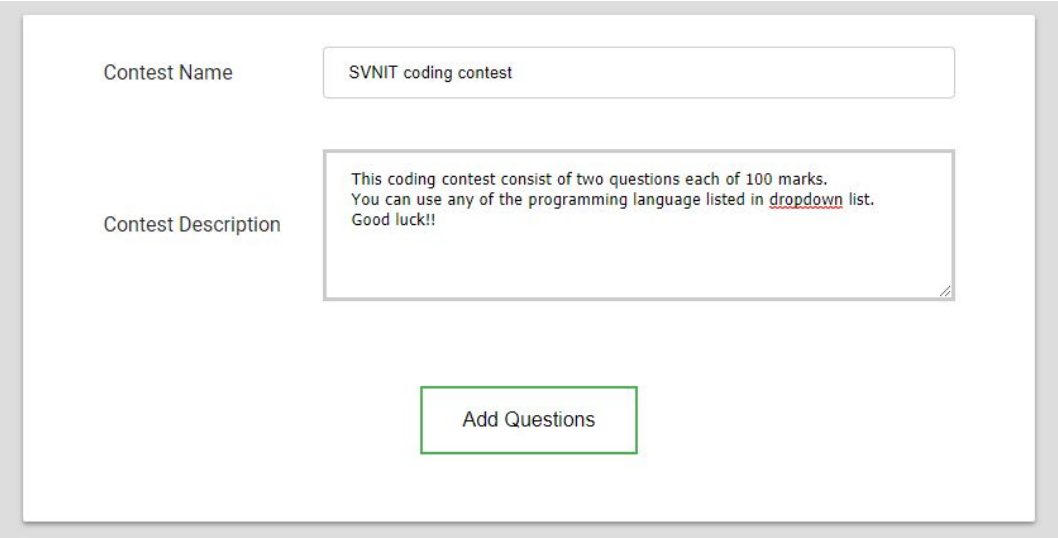

Figure 4.17: Form for the add contest with name and description fields

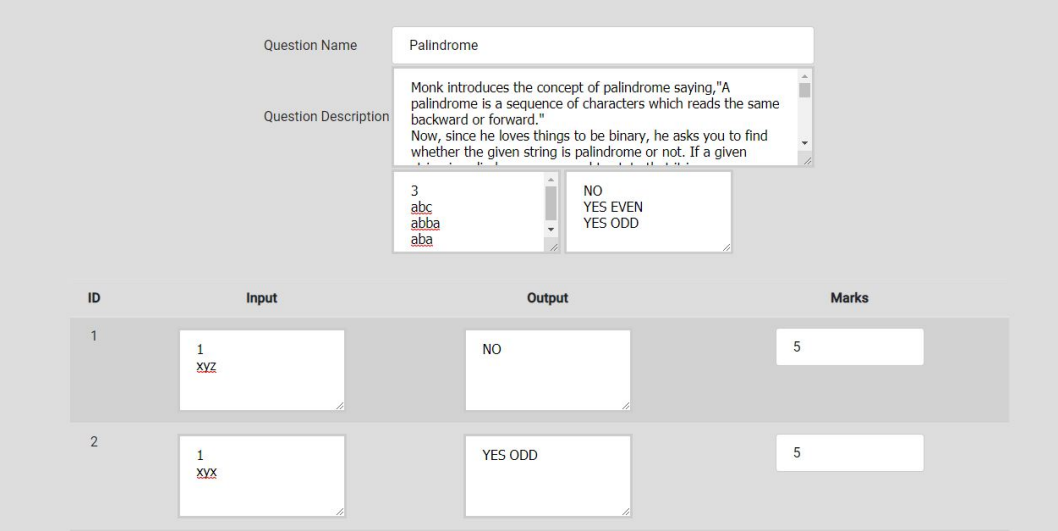

Figure 4.18: Form for the add question with name, description, sample input. sample output and test cases fields 1

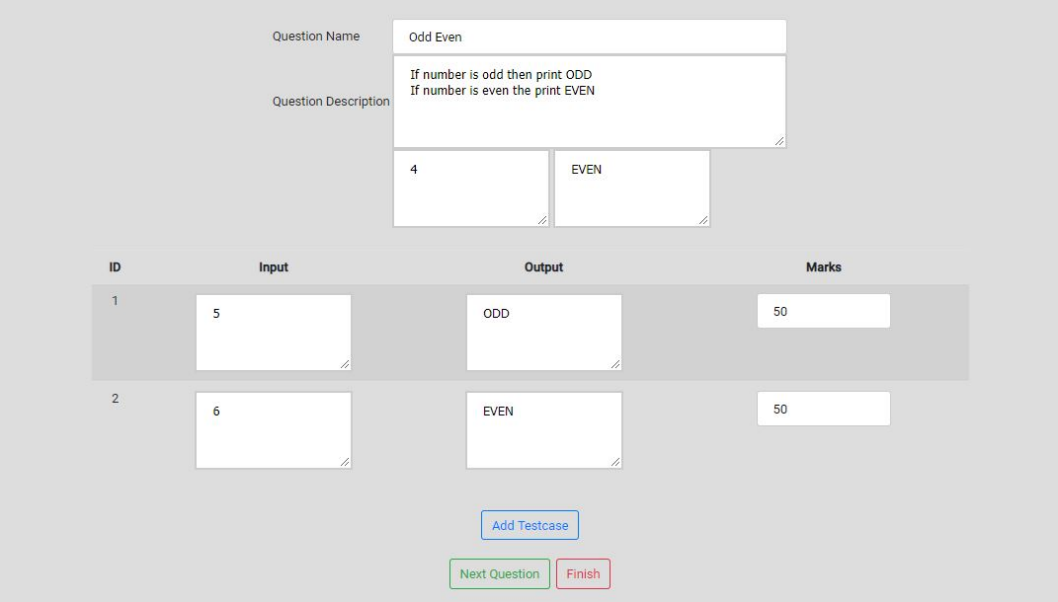

Figure 4.19: Form for the add question with name, description, sample input. sample output and test cases fields 2

4.4.10 Join Contest

Figure 4.20: List of the available contests

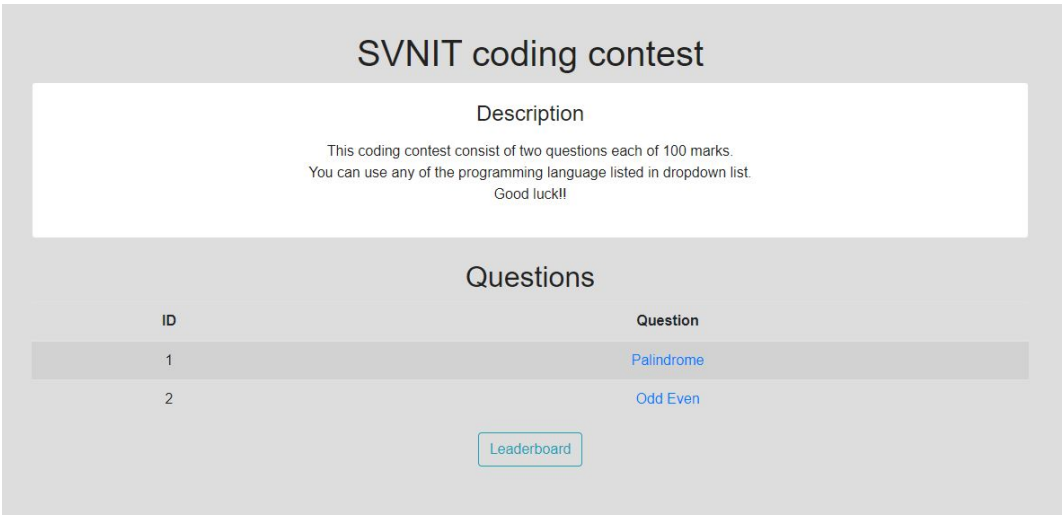

Figure 4.21: Contest home page that contains the question's name

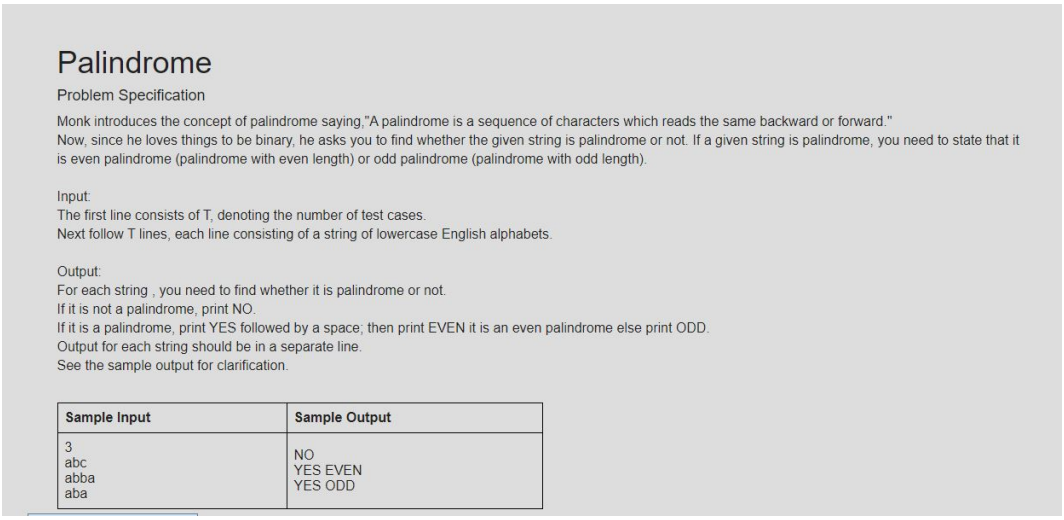

Figure 4.22: Description of the question for the users

Figure 4.23: Code editor window where a user can write code

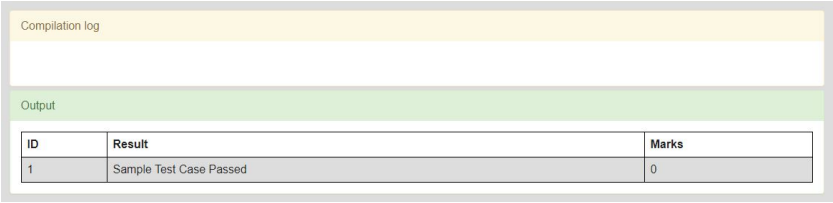

Figure 4.24: Result of the Sample test case

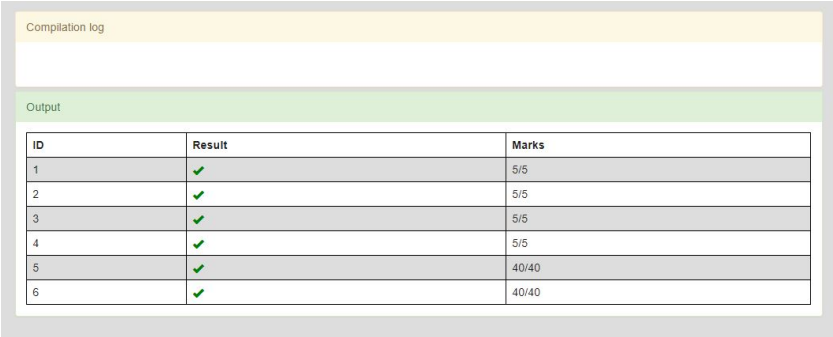

Figure 4.25: Result of your code against the various test cases

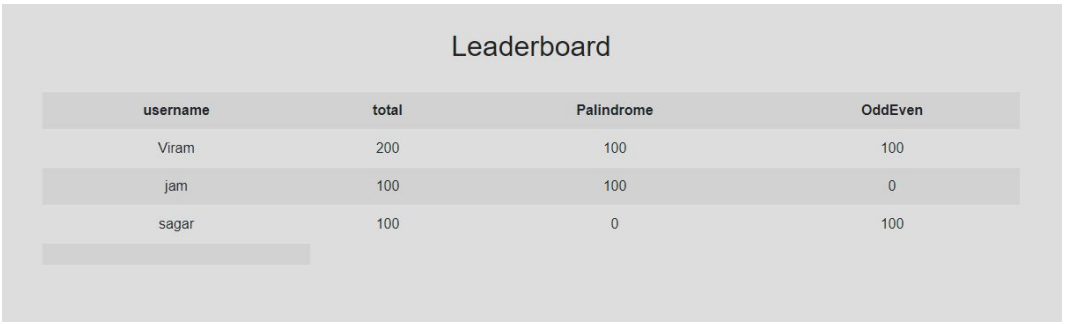

Figure 4.26: Leaderboard of a contest