

ONLINE PROGRAMMING PORTAL

USER MANUAL

COMPATIBILITY ISSUES:

- The Online programming portal developed is compatible with all the later versions of Mozilla Firefox, Google Chrome and Internet Explorer 10 or any higher versions.

REQUIREMENTS:

CLIENT

- Processor Pentium P400 or better.
- Screen resolution Min of 1024 x 768 Optimized for 1280 x 1024
- Internet speed of 512kbps

SERVER

- XAMPP/PHPMYAdmin for database architects, developers etc.
- MySQL components
- The full version of XAMPP is recommended
- Operating Systems: *NIX
- bf ,bc ,g++,gcc ,fpc, mono-gmcs ,oracle-java/openjdk-6-jdk ,perl ,php5 ,python ,python3 ,python-mysqldb ,rhino ,ruby modules to be installed in *NIX system.
- platform,re, os, shutil, sys, thread, time, urllib, SocketServer, subprocess, MySQLdb libraries to be installed for python.

HOW TO OPEN THE PORTAL:

- Make sure your Internet is connected.
- Then connect to the site.

USER PHASE: The user phase can be broadly categorized into 4 categories:

- Admin(Judge)
- Problem setter
- Registered User/Team
- Guest User

HOW TO USE THE PORTAL:

Once all the above requirements are met and you properly connect to the site then go see the following:


HOME PAGE:

Once you connect to the site, you see the home page as below:

Group 2 Object not found! Google Matrix

10.150.34.140/matrix/

Matrix Home Problems Contests Rankings Submissions Contact Us Forums Online IDE Tutorials Problem Setter Account



Start Date : 6 - May - 2014
End Date : 16 - May - 2014

Notice

| Active Contests | Start Time | End Time |
|-----------------|--------------------------|--------------------------|
| New Contest | 08-Apr-2014, 11:40:00 pm | 02-Nov-2014, 06:50:00 pm |

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 13 |

Contest Status

| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings


| Rank | Name | Score |
|------|------|-------|
|------|------|-------|

03:45 PM 18-04-2014

Group 2 Object not found! Google Matrix

10.150.34.140/matrix/

Matrix Home Problems Contests Rankings Submissions Contact Us Forums Online IDE Tutorials



Upcoming contests :: April Lunch Time

Notice

| Active Contests | Start Time | End Time |
|-----------------|--------------------------|--------------------------|
| New Contest | 08-Apr-2014, 11:40:00 pm | 02-Nov-2014, 06:50:00 pm |

Login

abcd

.....

Log In

New Team? Register Here. Forgot Password

Contest Status

| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

Overall Rankings

| Rank | Name | Score |
|------|-----------|-------|
| 1 | test_team | 0 |
| 2 | ran | 0 |
| 3 | devesh | 0 |
| 4 | sda | 0 |
| 5 | rahu | 0 |
| 6 | sambit | 0 |

03:44 PM 18-04-2014

REGISTRATION FORM:

In case the user/team is not registered then he can click on the “register here” link in order to get registered. Then the following page gets opened:

Register

Team Name

Password

Re-Password

Group

Team Member 1 (compulsory)

Full Name

Roll No

Branch

E-mail

Phone No

Team Member 2 (optional)

Full Name

Roll No

Team Member 3 (optional)

Full Name

Roll No

Login

Teamname

Password

Log In

[New Team? Register Here](#), [Forgot Password](#)

Contest Status

| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

Overall Rankings

| Rank | Name | Score |
|------|------------|-------|
| 1 | test_team | 0 |
| 2 | ran | 0 |
| 3 | devesh | 0 |
| 4 | sda | 0 |
| 5 | rahul | 0 |
| 6 | sambit | 0 |
| 7 | Team_india | 0 |
| 8 | abcdef | 0 |
| 9 | abcddefg | 0 |

FORGOT PASSWORD:

In case the user/team forgets the password then by clicking on “Forgot password” link, it redirects the user to the following page:

change_password

GET VERIFICATION CODE NOW

email

GET IT NOW

GOT YOUR VERIFICATION CODE?

email

Verification Code

New Password

Re-Enter New Password

CHANGE PASSWORD

Login

Teamname

Password

Log In

[New Team? Register Here](#), [Forgot Password](#)

Contest Status

| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

Overall Rankings

| Rank | Name | Score |
|------|------------|-------|
| 1 | test_team | 0 |
| 2 | ran | 0 |
| 3 | devesh | 0 |
| 4 | sda | 0 |
| 5 | rahul | 0 |
| 6 | sambit | 0 |
| 7 | Team_india | 0 |
| 8 | abcdef | 0 |
| 9 | abcddefg | 0 |

PROBLEMS:

Once the user/team is logged in, if he wants to practice the problems, he can click on the problems tab which will redirect him to a page which looks as below:

The screenshot shows the Matrix online judge interface. The main content area is titled "Practice Problems" and displays three problem sets: "ad-hoc", "newcon", and "ade". Each set has a table with columns: Name, Score, Type, Code, and Submissions.

ad-hoc

| Name | Score | Type | Code | Submissions |
|--------|-------|------|--------|-------------|
| hello3 | 100 | easy | hello2 | 0/0 |

newcon

| Name | Score | Type | Code | Submissions |
|------|-------|--------|------|-------------|
| HLW | 10 | Ad-HOC | HLW | 4/15 |

ade

| Name | Score | Type | Code | Submissions |
|--------|-------|--------|------|-------------|
| double | 0 | Ad-Hoc | TEST | 17/37 |

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 13 |

Contest Status

| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|------|-------|
|------|------|-------|

On selecting any question the user will be redirected to the following page:

Matrix
Home
Problems
Contests
Rankings
Submissions
Contact Us
Forums
Online IDE
Tutorials
Problem Setter
Account

double

My Submissions
All Submissions
Submit

WAP to output the square of an integer.

Input : Read until the end of file. Each line contains a single positive integer less than or equal to 10.

Output : Output the square of the integer, one in each line.

SAMPLE INPUT

```
1
2
3
5
```

SAMPLE OUTPUT

```
1
4
9
25
```

Time Limit : 0.5 Second(s)
Score : 0 Point(s)
Input File Limit : 50000 Bytes
Languages Allowed : Brain, C, C++, C#, Java, JavaScript, Pascal, Perl, PHP, Python, Ruby, Text

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 13 |

Contest Status

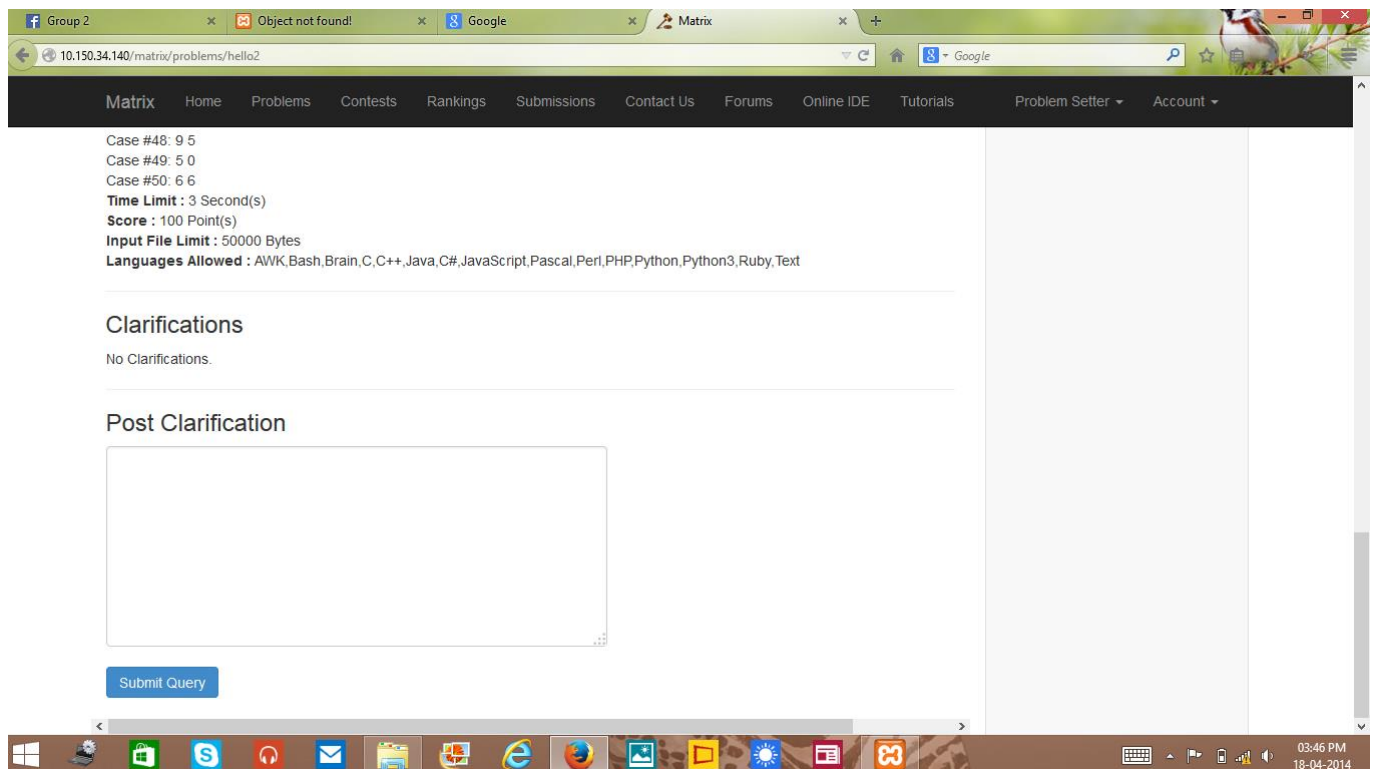
| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

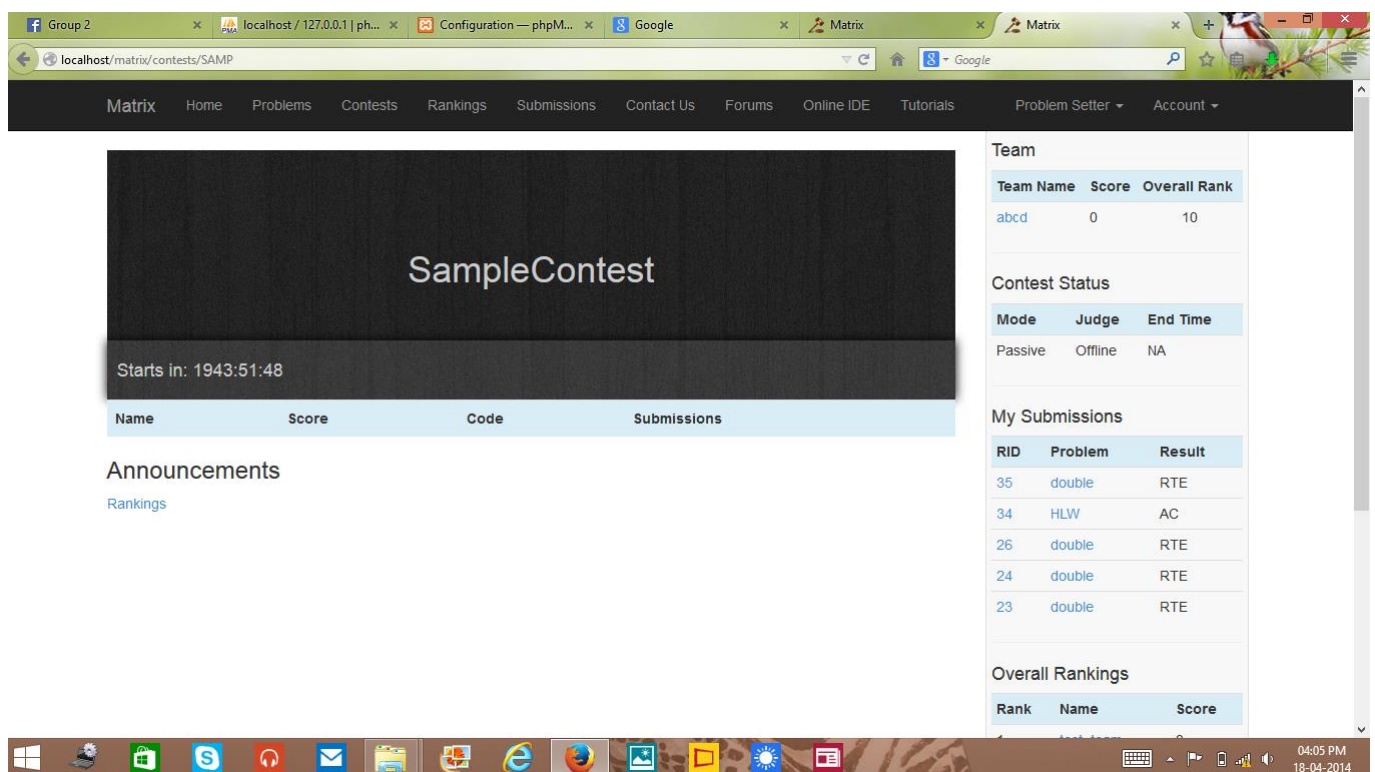
Overall Rankings

| Rank | Name | Score |
|------|-----------|-------|
| 1 | test team | 100 |



CONTESTS:

If the User/team wants to know any details about the contest, then he can click on the “Contests” tab which will redirect him to the page as follows:



The screenshot shows the Matrix online judge interface. The main content area displays a large 'ad' placeholder and a 'Contest Over' message. Below this is a table showing contest results for a team named 'double'.

| Name | Score | Code | Submissions |
|--------|-------|------|-------------|
| double | 0 | TEST | 16/36 |

Below the table is an 'Announcements' section with a link to 'do itRankings'.

The right sidebar contains several sections:

- Team**: A table showing team 'abcd' with a score of 0 and overall rank of 10.
- Contest Status**: A table showing the contest is 'Passive', 'Offline', and has an 'End Time' of 'NA'.
- My Submissions**: A table listing recent submissions with RID, Problem, and Result.
- Overall Rankings**: A table showing the overall ranking of teams.

RANKINGS:

If the user clicks on the “Rankings” tab, the user will be redirected to the following page:

Rankings

Everyone

| Rank | Team Name | Team Group | Score |
|------|------------|------------|-------|
| 1 | test_team | | 0 |
| 2 | ran | | 0 |
| 3 | devesh | | 0 |
| 4 | sda | | 0 |
| 5 | rahul | | 0 |
| 6 | sambit | | 0 |
| 7 | Team_India | | 0 |
| 8 | abcdef | | 0 |
| 9 | abcddfg | | 0 |

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 10 |

Contest Status

| Mode | Judge | End Time |
|---------|---------|----------|
| Passive | Offline | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|-----------|-------|
| 1 | test_team | 0 |

By clicking on any one of the users the following page will be opened:

devesh

| Team Members | Devesh (CSE) |
|----------------|--------------|
| Group | |
| Rank | 1 |
| Score | 0 |
| Practice Score | |

[devesh's Submissions](#)

Practice Problems Solved

To Do list

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 10 |

Contest Status

| Mode | Judge | End Time |
|---------|---------|----------|
| Passive | Offline | NA |

My Submissions

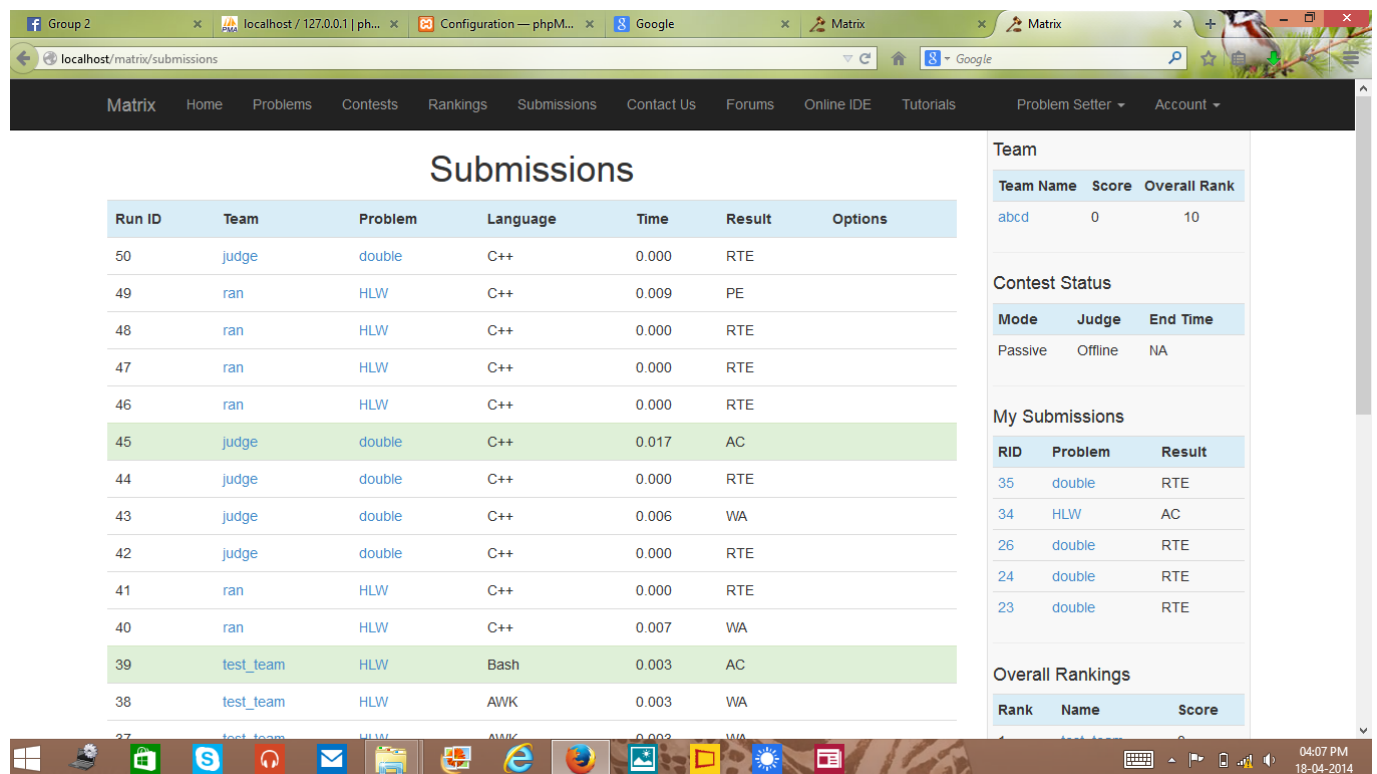
| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|-----------|-------|
| 1 | test_team | 0 |

SUBMISSIONS:

If the user clicks on the “Submissions” tab, the user will be redirected to the following page:



The screenshot shows the Matrix Submissions page. The main table lists submissions with columns: Run ID, Team, Problem, Language, Time, Result, and Options. The right sidebar contains sections for Team, Contest Status, My Submissions, and Overall Rankings.

| Run ID | Team | Problem | Language | Time | Result | Options |
|--------|-----------|---------|----------|-------|--------|---------|
| 50 | judge | double | C++ | 0.000 | RTE | |
| 49 | ran | HLW | C++ | 0.009 | PE | |
| 48 | ran | HLW | C++ | 0.000 | RTE | |
| 47 | ran | HLW | C++ | 0.000 | RTE | |
| 46 | ran | HLW | C++ | 0.000 | RTE | |
| 45 | judge | double | C++ | 0.017 | AC | |
| 44 | judge | double | C++ | 0.000 | RTE | |
| 43 | judge | double | C++ | 0.006 | WA | |
| 42 | judge | double | C++ | 0.000 | RTE | |
| 41 | ran | HLW | C++ | 0.000 | RTE | |
| 40 | ran | HLW | C++ | 0.007 | WA | |
| 39 | test_team | HLW | Bash | 0.003 | AC | |
| 38 | test_team | HLW | AWK | 0.003 | WA | |

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 10 |

Contest Status

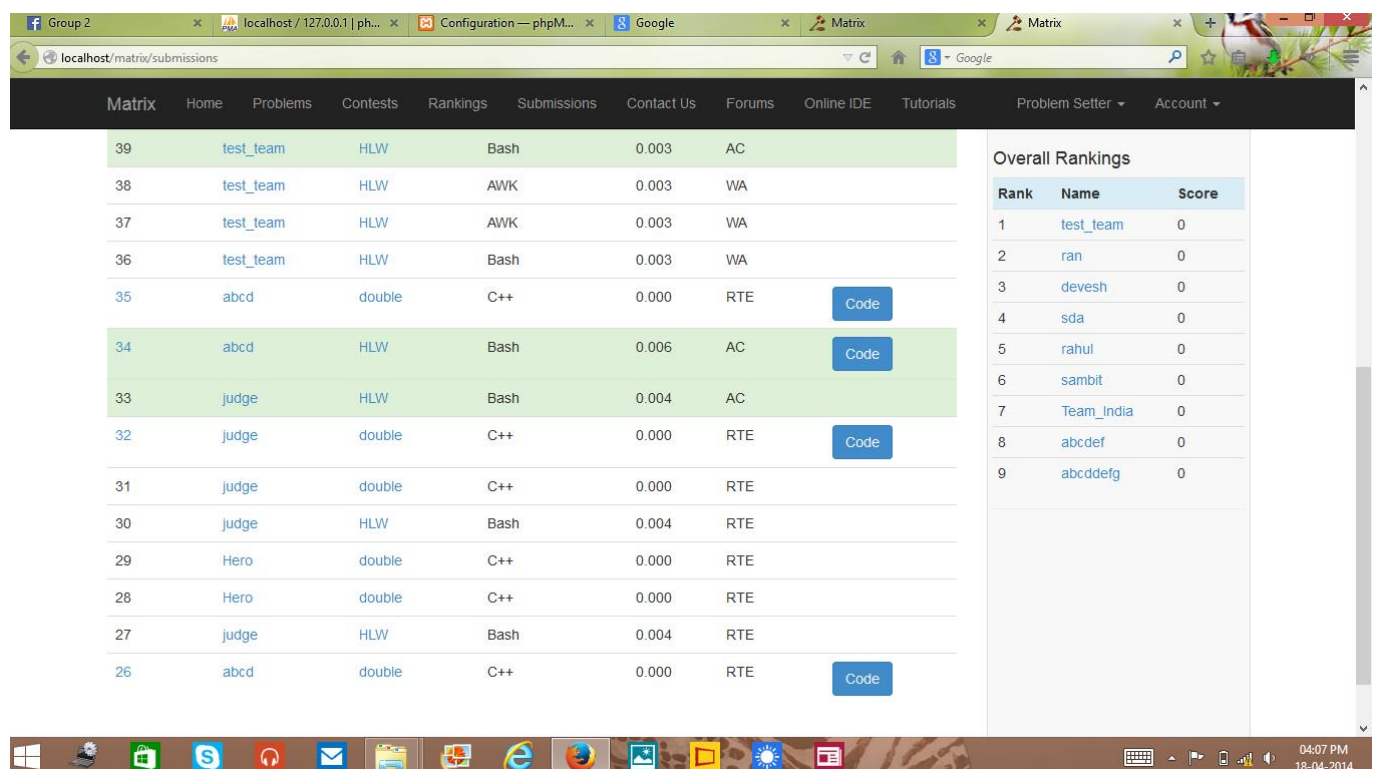
| Mode | Judge | End Time |
|---------|---------|----------|
| Passive | Offline | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|------|-------|
|------|------|-------|



The screenshot shows the Matrix Submissions page with a larger list of submissions. The right sidebar now displays the Overall Rankings table.

| Run ID | Team | Problem | Language | Time | Result | Options |
|--------|-----------|---------|----------|-------|--------|---------|
| 39 | test_team | HLW | Bash | 0.003 | AC | |
| 38 | test_team | HLW | AWK | 0.003 | WA | |
| 37 | test_team | HLW | AWK | 0.003 | WA | |
| 36 | test_team | HLW | AWK | 0.003 | WA | |
| 35 | abcd | double | C++ | 0.000 | RTE | Code |
| 34 | abcd | HLW | Bash | 0.006 | AC | Code |
| 33 | judge | HLW | Bash | 0.004 | AC | |
| 32 | judge | double | C++ | 0.000 | RTE | Code |
| 31 | judge | double | C++ | 0.000 | RTE | |
| 30 | judge | HLW | Bash | 0.004 | RTE | |
| 29 | Hero | double | C++ | 0.000 | RTE | |
| 28 | Hero | double | C++ | 0.000 | RTE | |
| 27 | judge | HLW | Bash | 0.004 | RTE | |
| 26 | abcd | double | C++ | 0.000 | RTE | Code |

Overall Rankings

| Rank | Name | Score |
|------|------------|-------|
| 1 | test_team | 0 |
| 2 | ran | 0 |
| 3 | devesh | 0 |
| 4 | sda | 0 |
| 5 | rahul | 0 |
| 6 | sambit | 0 |
| 7 | Team_India | 0 |
| 8 | abcdef | 0 |
| 9 | abcddefg | 0 |

The user can only view his codes. By clicking on any one of them, the following page will be displayed:

The screenshot shows a web browser window with the URL `localhost/matrix/viewsolution/34`. The page has a dark navigation bar with links: Matrix, Home, Problems, Contests, Rankings, Submissions, Contact Us, Forums, Online IDE, Tutorials, Problem Setter, and Account. The main content area is titled "Solution" and contains a table with submission details.

| Run ID | Problem | Team Name | Result | Run time | Passed Test Cases | Language | Submission Time |
|--------|---------|-----------|--------|----------|-------------------|----------|-----------------------------------|
| 34 | HLW | abcd | AC | 0.006 | 1/1 | Bash | 10 April 2014, Thursday, 09:23:43 |

Below the table, the code is displayed:

```
1 | echo "Hello World";
```

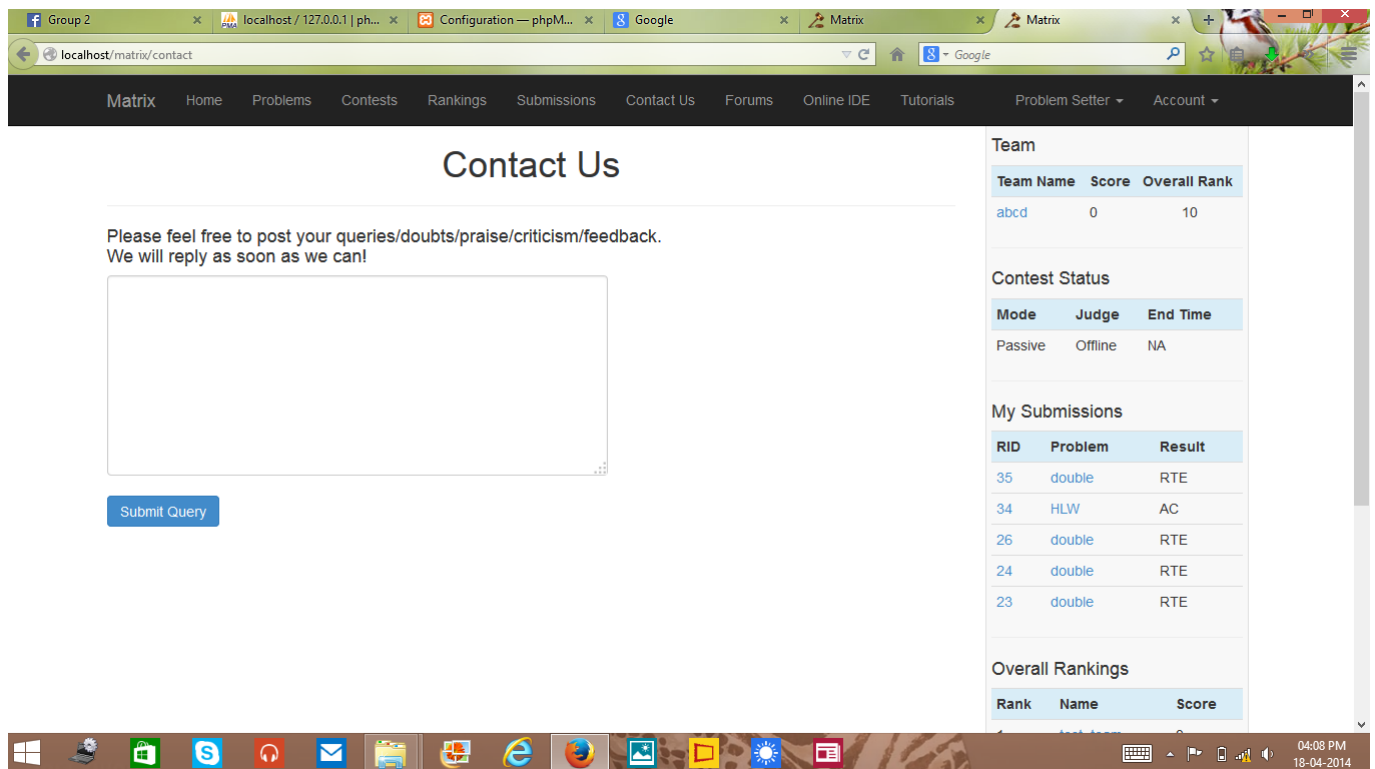
On the right side, there are three sections:

- Team**: A table with columns Team Name, Score, and Overall Rank. The row for team "abcd" shows a score of 0 and an overall rank of 10.
- Contest Status**: A table with columns Mode, Judge, and End Time. The row shows "Passive", "Offline", and "NA".
- My Submissions**: A table with columns RID, Problem, and Result. It lists five submissions: RID 35 (double, RTE), RID 34 (HLW, AC), RID 26 (double, RTE), RID 24 (double, RTE), and RID 23 (double, RTE).
- Overall Rankings**: A table with columns Rank, Name, and Score. The first row shows "test team" with a score of 0.

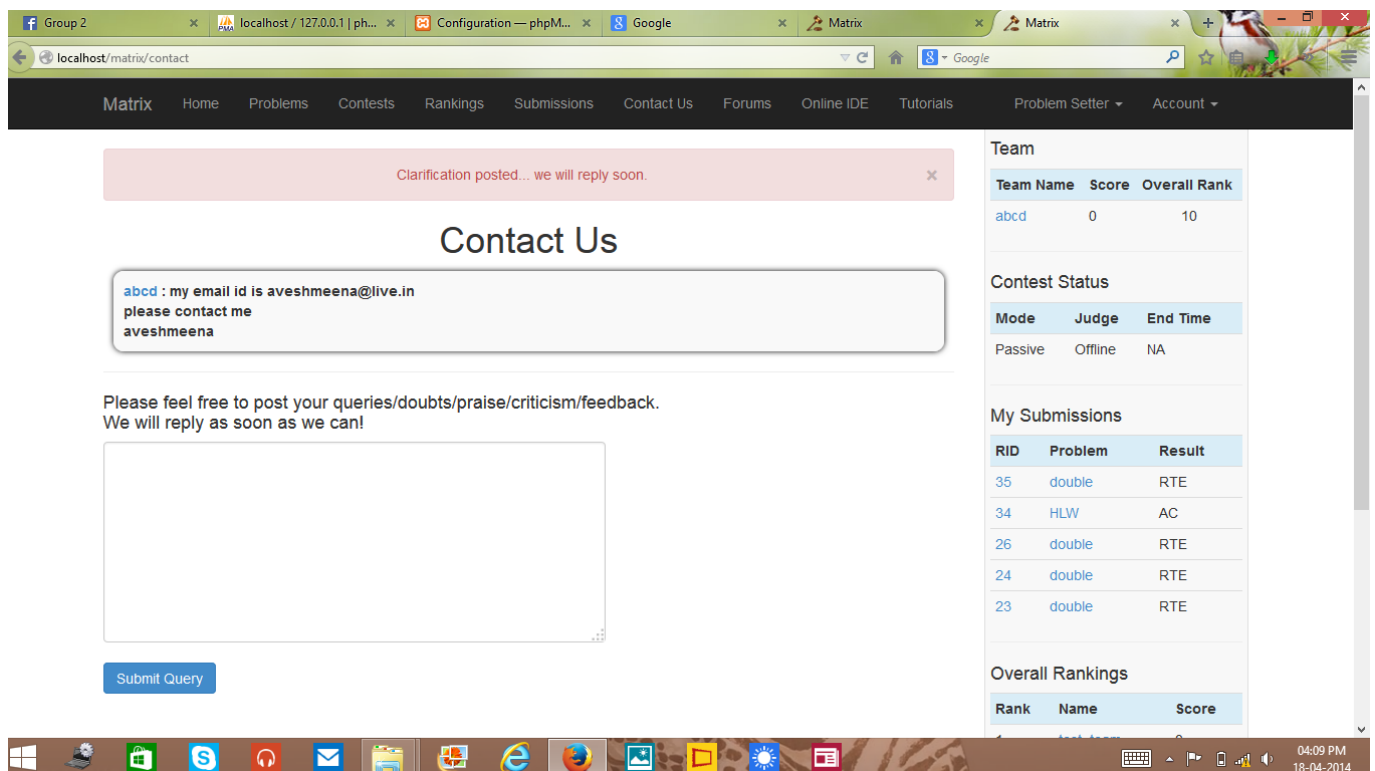
The Windows taskbar at the bottom shows the time as 04:07 PM on 18-04-2014.

CONTACT US:

If the user/team wants to contact admin regarding any query, then he can click on the "Contact Us" tab which will redirect him to a page which looks as follows:



Once the query is submitted, then a message will be displayed as shown:



FORUMS:

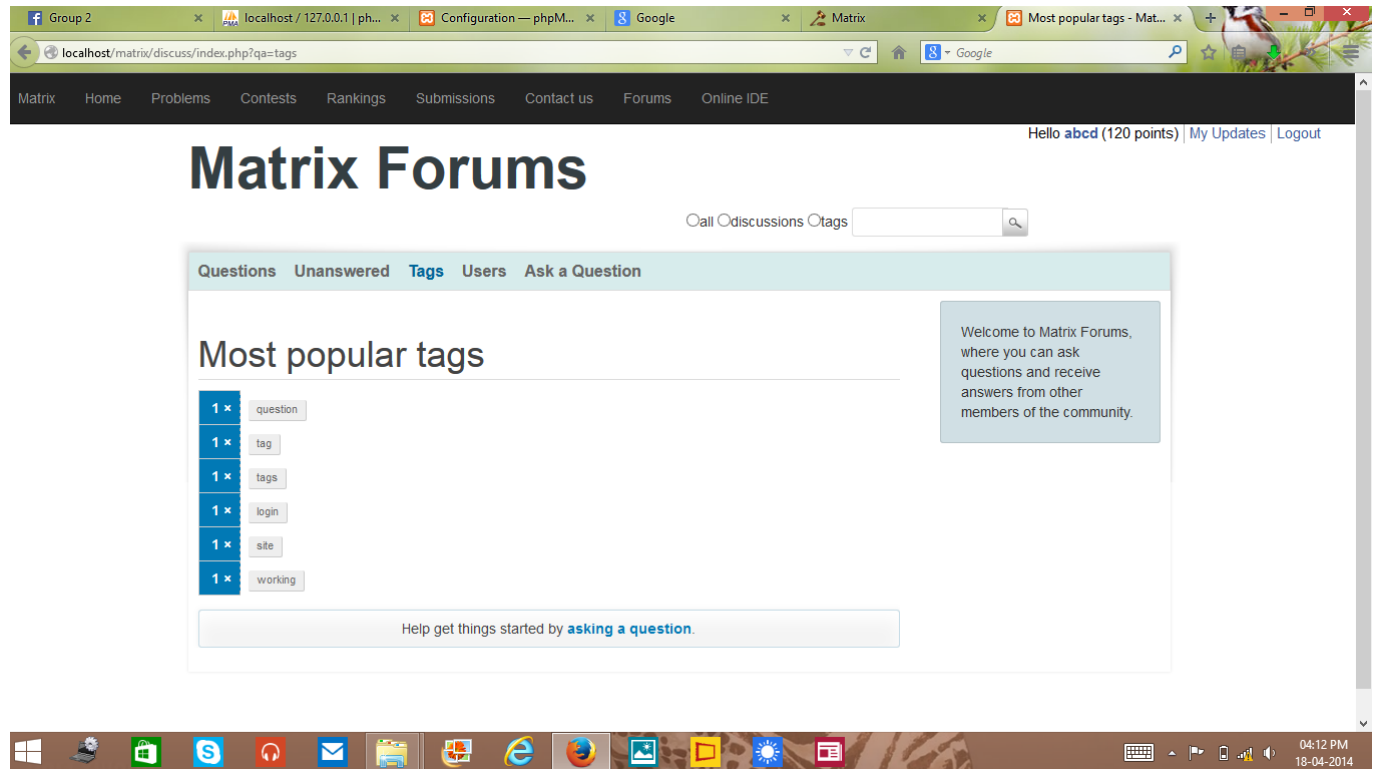
If the user clicks on the “Forums” tab, the user will be redirected to the following page:



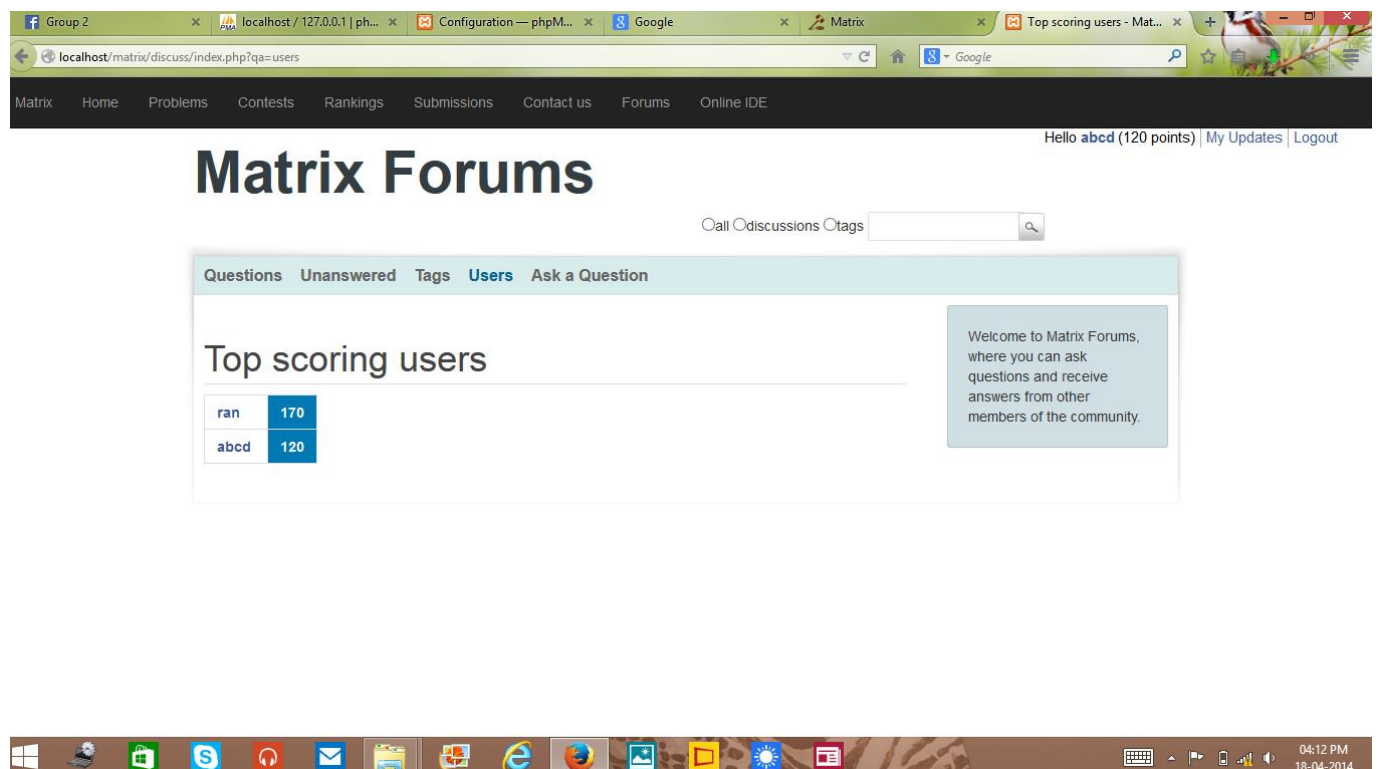
By clicking on “Unanswered” tab, the following page will be displayed:



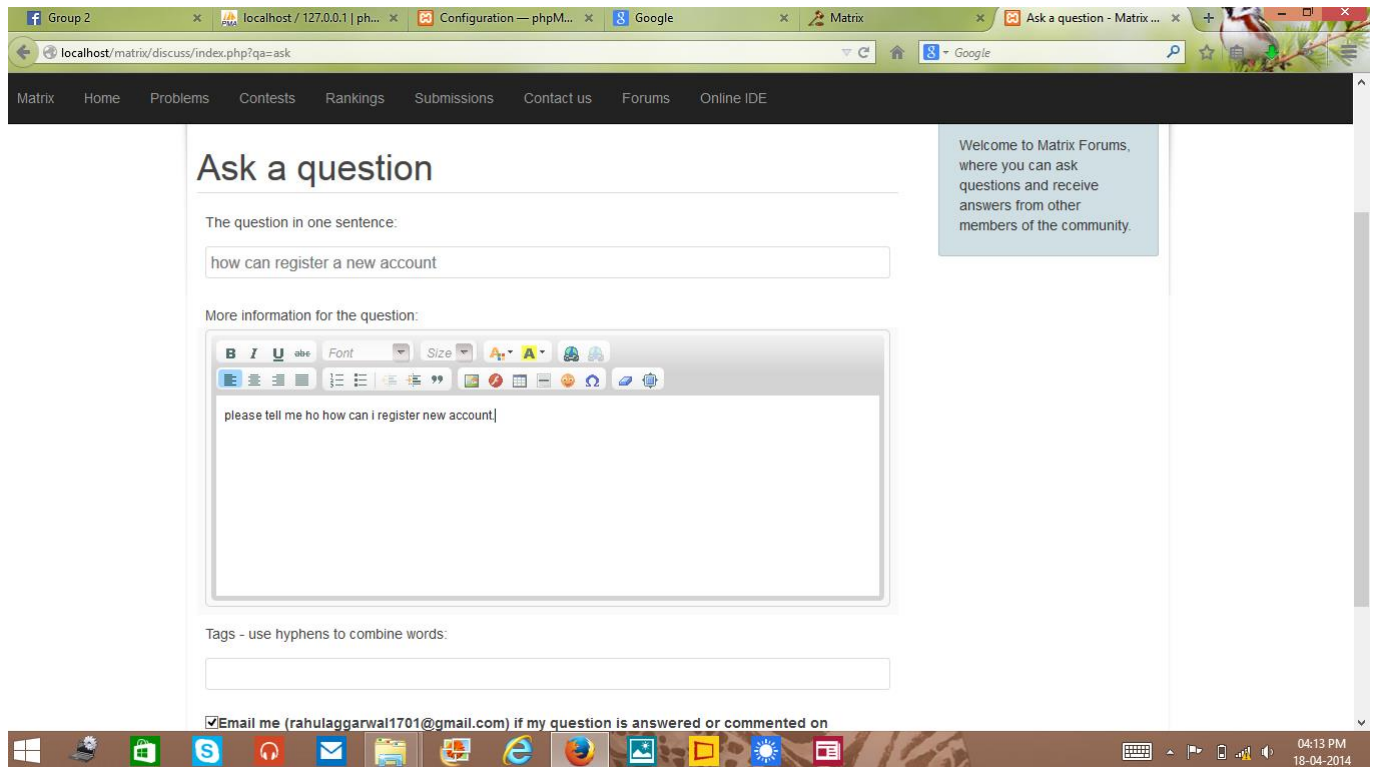
By clicking on “Tags” tab, the following page will be displayed:



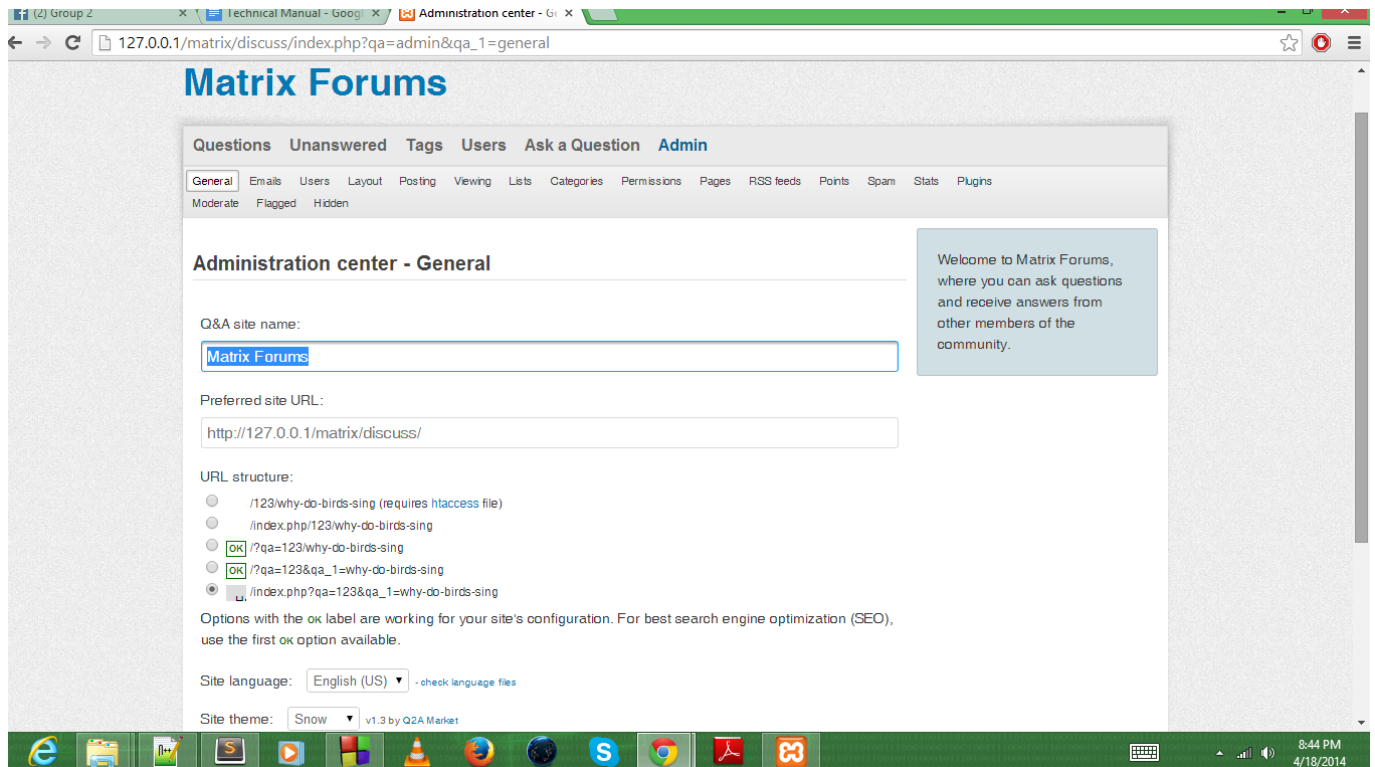
By clicking on “Users” tab, the following page will be displayed:



By clicking on “Ask a question” tab, the following page will be displayed:



If the user is admin, then there is an extra tab called “Admin” which when clicked will display the following:



Here the Admin can edit the text and site name and also theme. He can also award points to users. He can also ban a user if he is posting any spam. He can set certain permissions as what type of user can view what kind of content and who can edit, who can comment, vote up, vote down etc. He also can hide any content like Question or any Answer etc.

Online IDE:

If the user wants to compile his code online then he clicks on the “Online IDE” tab, the user will be redirected to the following page:

Group 2localhost / 127.0.0.1 | ph...Configuration — phpM...GoogleMatrixMatrixlocalhost/matrix/ide

MatrixHomeProblemsContestsRankingsSubmissionsContact UsForumsOnline IDETutorialsProblem SetterAccount

Compile Online

Language : C++

1

Input (stdin)

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 10 |

Contest Status

| Mode | Judge | End Time |
|---------|---------|----------|
| Passive | Offline | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|------|-------|
|------|------|-------|

Group 2localhost / 127.0.0.1 | ph...Configuration — phpM...GoogleMatrixMatrixlocalhost/matrix/ide

MatrixHomeProblemsContestsRankingsSubmissionsContact UsForumsOnline IDETutorialsProblem SetterAccount

Compile Online

Language : C

1#include<studio.h>

2

Input (stdin)

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 10 |

Contest Status

| Mode | Judge | End Time |
|---------|---------|----------|
| Passive | Offline | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|------|-------|
|------|------|-------|

Group 2localhost / 127.0.0.1 | ph...Configuration — phpM...GoogleMatrixMatrixlocalhost/matrix/ide

MatrixHomeProblemsContestsRankingsSubmissionsContact UsForumsOnline IDETutorialsProblem SetterAccount

Compile Online

Language : C

1#include<studio.h>

2

Input (stdin)

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 10 |

Contest Status

| Mode | Judge | End Time |
|---------|---------|----------|
| Passive | Offline | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|------|-------|
|------|------|-------|

Group 2localhost / 127.0.0.1 | ph...Configuration — phpM...GoogleMatrixMatrixlocalhost/matrix/ide

MatrixHomeProblemsContestsRankingsSubmissionsContact UsForumsOnline IDETutorialsProblem SetterAccount

Compile Online

Language : C

1#include<studio.h>

2

Input (stdin)

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 10 |

Contest Status

| Mode | Judge | End Time |
|---------|---------|----------|
| Passive | Offline | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|------|-------|
|------|------|-------|

Code submitted successfully. If your problem is not judged then contact admin.
Cannot connect to Judge: Contact Admin

Code

| Run ID | Run time | Language | Submission Time | Status |
|--------|----------|----------|---------------------------------|--------|
| 19 | | C | 18 April 2014, Friday, 16:14:43 | |

Code

```
1 | #include<stdio.h>
```

Input

```
1 |
```

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| abcd | 0 | 10 |

Contest Status

| Mode | Judge | End Time |
|---------|---------|----------|
| Passive | Offline | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 35 | double | RTE |
| 34 | HLW | AC |
| 26 | double | RTE |
| 24 | double | RTE |
| 23 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|------|-------|
|------|------|-------|

TUTORIALS:

If the user clicks on the “Tutorials” tab, the user will be redirected to the following page:

User (Admin):

Tutorials!

- Bellman-Ford Algorithm
- Lawiers Algorithm

Add Tutorial

Enter Title

Content

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| judge | 0 | 1 |

Contest Status

| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 50 | double | RTE |
| 45 | double | DQ |
| 44 | double | RTE |
| 43 | double | WA |
| 42 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|-----------|-------|
| 1 | test_team | 0 |
| 2 | ran | 0 |

If the admin wants to add any tutorial, he can add. And if he wants to remove any tutorial, he should first select the tutorial which he wants to remove and the following page will be displayed:

Bellman-Ford Algorithm

[remove](#)

Like Dijkstra's Algorithm, Bellman-Ford is based on the principle of relaxation, in which an approximation to the correct distance is gradually replaced by more accurate values until eventually reaching the optimum solution. In both algorithms, the approximate distance to each vertex is always an overestimate of the true distance, and is replaced by the minimum of its old value with the length of a newly found path. However, Dijkstra's algorithm greedily selects the minimum-weight node that has not yet been processed, and performs this relaxation process on all of its outgoing edges; by contrast, the Bellman-Ford algorithm simply relaxes all the edges, and does this $|V|-1$ times, where $|V|$ is the number of vertices in the graph. In each of these repetitions, the number of vertices with correctly calculated distances grows, from which it follows that eventually all vertices will have their correct distances. This method allows the Bellman-Ford algorithm to be applied to a wider class of inputs than Dijkstra. Bellman-Ford runs in $O(|V| \cdot |E|)$ time, where $|V|$ and $|E|$ are the number of vertices and edges respectively. function BellmanFord(list vertices, list edges, vertex source):weight[],predecessor[] // This implementation takes in a graph, represented as lists of vertices and edges, // and fills two arrays (weight and predecessor) with shortest-path (less cost/weight/metric) information // Step 1: initialize graph for each vertex v in vertices: if v is source then weight[v] := 0 else weight[v] := infinity predecessor[v] := null // Step 2: relax edges repeatedly for i from 1 to size(vertices)-1: for each edge (u, v) with weight w in edges: if weight[u] + w < weight[v]: weight[v] := weight[u] + w predecessor[v] := u // Step 3: check for negative-weight cycles for each edge (u, v) with weight w in edges: if weight[u] + w < weight[v]: error Graph contains a negative-weight cycle return weight[],predecessor[] Simply put, the algorithm initializes the distance to the source to 0 and all other nodes to infinity. Then for all edges, if the distance to the destination can be shortened by taking the edge, the distance is updated to the new lower value. At each iteration i that the edges are scanned, the algorithms finds all shortest path of at most length i edges. Since the longest possible path without a cycle can be $|V|-1$ edges, the edges must be scanned $|V|-1$ times to ensure the shortest path has been found for all nodes. A final scan of the all the edges is performed and if any distance is updated, then a path of length $|V|$ edges has been found which can only occur if at least one negative cycle exist in the graph. Proof of correctness The correctness of the algorithm can be shown by induction. The precise statement shown by induction is: Lemma. After i repetitions of for cycle: If Distance(u) is not infinity, it is equal to the length of some path from s to u; If there is a path from s to u with at most i edges, then Distance(u) is at most the length of the shortest path from s to u with at most i edges. Proof. For the base case of induction, consider i=0 and the moment before for cycle is executed for the first time. Then, for the source vertex, source distance = 0, which is correct

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| judge | 0 | 1 |

Contest Status

| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 50 | double | RTE |
| 45 | double | DQ |
| 44 | double | RTE |
| 43 | double | WA |
| 42 | double | RTE |

Overall Rankings

| Rank | Name | Score |
|------|-----------|-------|
| 1 | test_team | 0 |

By clicking on the remove button, he can remove that particular tutorial.

If any registered User wants to post any query to the admin regarding the tutorial, he can post the query in the query box as shown:

The screenshot shows the Matrix web application interface. The browser address bar displays `10.150.34.140/matrix/tut_show`. The navigation bar includes links for Matrix, Home, Problems, Contests, Rankings, Submissions, Contact Us, Forums, Online IDE, Tutorials, and Account. The main content area shows a query submission process. A text input field contains `ran : ahdgjga`. Below it, two deprecation warnings are displayed: `Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 16` and `Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 17`. A second text input field contains `ran : hello admin how ??`. Below this, the admin's response is shown: `Admin:: I am good how are you?`. A message encourages users to post suggestions, followed by a text input field containing `dude, good work!!` and a `Submit Query` button. On the right side, a table displays a list of items:

| | | |
|----|------------|---|
| 7 | Team_India | 0 |
| 8 | abcdef | 0 |
| 9 | abcddfg | 0 |
| 10 | 12qa | 0 |

The Windows taskbar at the bottom shows the system clock as 6:49 PM on 4/18/2014.

For which the admin will reply as shown:

The screenshot shows a web application interface. At the top is a dark navigation bar with links: Matrix, Home, Problems, Contests, Rankings, Submissions, Contact Us, Forums, Online IDE, Tutorials, and an Account dropdown. Below the navigation bar, a pink notification box says "Clarification posted... we will reply soon." with a close button. The main content area displays a chat log. It starts with a message: "For comment's you need to login !". This is followed by two deprecation warnings: "Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 16" and "Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 17". Then, a user named 'ran' posts "dude, good work !!". Another deprecation warning follows. Then, 'ran' posts "i have doubt". An admin response, "Admin:: toh main kya karun ??", is circled in red. This is followed by another deprecation warning. Finally, 'ran' posts "jay hua". On the right sidebar, there is a "Team" section with a table showing one team 'ran' with a score of 0 and overall rank of 1. Below that is a "Contest Status" section with a table showing the mode as 'Passive', judge as 'Online', and end time as 'NA'. Then is a "My Submissions" section with a table listing submissions with RID, Problem, and Result. Finally, an "Overall Rankings" section shows a table with Rank, Name, and Score, listing 'test team' at rank 1 with a score of 0. The bottom of the image shows a Windows taskbar with various application icons and a system clock showing 6:47 PM on 4/18/2014.

Matrix Home Problems Contests Rankings Submissions Contact Us Forums Online IDE Tutorials Account

Clarification posted... we will reply soon.

For comment's you need to login !

Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 16

Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 17

ran : dude, good work !!

Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 16

Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 17

ran : i have doubt

Admin:: toh main kya karun ??

Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 16

Deprecated: Function eregi_replace() is deprecated in /opt/lampp/htdocs/matrix/files/contact1.php on line 17

ran : jay hua

Team

| Team Name | Score | Overall Rank |
|-----------|-------|--------------|
| ran | 0 | 1 |

Contest Status

| Mode | Judge | End Time |
|---------|--------|----------|
| Passive | Online | NA |

My Submissions

| RID | Problem | Result |
|-----|---------|--------|
| 49 | HLW | PE |
| 48 | HLW | RTE |
| 47 | HLW | RTE |
| 46 | HLW | RTE |
| 41 | HLW | RTE |

Overall Rankings

| Rank | Name | Score |
|------|-----------|-------|
| 1 | test team | 0 |

ANDROID APP:

- Transfer the "HelloAndroid.apk" to file explorer and execute it.
- Connect to IITG wifi without any proxy settings.
- Enjoy the app.

The following are the screenshots of the Android mobile app:

The icon of the app looks as following:

Apps

Widgets



MakeMyTrip



bookmyshow
w



FM Radio



Google



Samsung
Hub



Evernote



Flipboard



Viber



Code

75%

Once you log in, the UI will look like something as follows:



87%



7:45 PM

Matrix



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