Blockchain Web3 & Cyber Security Club Programmers' Paradise Technical Society

Member Selection Test 2025 (August)

General Information

- **Test Window:** The test will be active from **10:00 PM on August 7, 2025**, to **11:59 PM on August 10, 2025**.
- **Duration:** Candidates can attempt the test at any time within this window, but have to necessarily upload their solution within that time only.

Submission Guidelines

All solutions must adhere to the following format and submission procedure.

- **Folder Structure:** All your solution files must be placed inside a single folder named in the format `<YourName_Semester_Branch>`.
  - *Example:* `JohnDoe_4th_CSEAI`
- **File Naming:** Each solution file must be named according to the problem it solves, using the format `<ProblemName>_Solution.<extension>`.
  - *Example:* `PasswordHashing_Solution.py`
- **Submission Method:** Solutions must be submitted by creating a **Pull Request** to the designated GitHub repository. Please see the Appendix for a detailed workflow.

Rules of Conduct

Strict adherence to these rules is mandatory.

- **Allowed Resources:**
  - You may use any IDE of your choice.
  - Use of the internet for research and consulting documentation is permitted.
- **Academic Integrity:**
  - The use of generative AI tools (like ChatGPT) should be minimal. If you use such a tool for any part of your solution, you **must cite it** with a proper comment and link in your code.

  - Plagiarism is strictly forbidden. Submitting work that is not your own will lead to disqualification. All submissions will be rigorously checked for authenticity.

- **Support and Clarifications:**
  - For any doubts or clarifications regarding the problems, please contact the organizers via email at president_blockchain_ppts@csvtu.ac.in.
- **Finality of Decisions:** The decisions made by the organizing committee will be final and binding in all matters.
- **Disqualification:** Any deviation from the instructions mentioned in this document will result in the **immediate disqualification** of the candidate.

Appendix: GitHub Submission Workflow

This guide outlines the standard "Fork Pull Request" workflow for submitting your solutions.

Part A: Uploading Your Solution Folder to GitHub

1. **Fork the Repository:** Go to the main test repository on GitHub and click the **"Fork"** button on the top-right. This creates a personal copy of the repository under your GitHub account.
2. **Clone Your Fork:** On your local machine, run the following command in your terminal. Replace the URL with the URL of **your forked repository**.

```
git clone https://github.com/YourUsername/forked-repo-name.git
```

3. **Create Your Folder:** Navigate into the cloned repository folder. Create your personal submission folder and add your solution files to it, following the naming conventions.

```
cd forked-repo-name
mkdir JohnDoe_4th_CSE
# Now, add your solution files like 'PasswordHashing_Solution.py'
   inside this new folder.
```

4. **Commit Your Changes:** Add your new folder to Git tracking and commit it with a clear message.

```
# Stage all new files and changes
git add .
# Commit the changes with a message
git commit -m "feat: Add solution for John Doe"
```

5. **Push to Your Fork:** Push your committed changes to your forked repository on GitHub.

```
git push origin main
```

Part B: Creating the Pull Request

1. **Start the Pull Request:** Go to the page of your forked repository on GitHub. You should see a banner that says **"This branch is 1 commit ahead of [main repository]"** with a green **"Contribute"** button. Click on **"Open pull request"**.

2. **Check the Branches:** Ensure the arrows show that you are requesting to merge from your fork's branch into the **original club repository's** main branch.

   - **Base repository:** 'club-organization/main-test-repo' ← **Head repository:** 'YourUsername/forked-repo-name'

3. **Add Title and Description:** Write a clear title for your pull request, such as `Solution Submission: John Doe`. You can add a brief description if needed.

4. **Submit:** Click the **"Create pull request"** button. Your submission is now complete.

May your hashes be strong, your connections secure, and may all your contracts execute flawlessly...