Task 0: Codechef Contest

rishi #1 October 12, 2021, 5:28pm

Task 0

Python Coding Contest

> **Note:** We hope that you have gone through the **Learning Resources** document and understood the syntax of **Python**. If not, then please do that before trying to solve the coding task over here.

In this document, you will apply the basic usage of Python language learnt from the Tutorials and solve this task.

This task is a little different, in a way that it's actually a **team-contest** hosted on **CodeChef**.

What's ***CodeChef*** you ask?

CodeChef is a global **competitive programming** platform. It is an educational initiative by Unacademy that hosts many coding contests and has a large community of programmers that helps students and professionals test and improve their coding skills.

Team-Contest Description

We will be using this platform to test and enhance your **Python** programming skills.

- The contest will start from ***12-10-2021 23:59:00 IST*** and will end on ***22-10-2021 23:59:00 IST***.
- The contest will have **10 Python problems**, we will be using only Python 3.6.
- **Each problem** has the maximum score of **100 points**.
- **Problem** could be divided into multiple **sub-tasks** and the *100 points* are distributed over these sub-tasks. The points awarded for each sub-task will be mentioned in the description of that problem.
- **Each sub-task** will have few **test cases** associated with it.
- To obtain all the points associated with a **sub-task**, your program will have to clear or pass all the test cases. Failing even **one test case**, will result in **0 points** for that particular sub-task.
- Your performance in this contest will contribute to the overall score of **Task 0**.

Now that you are aware of the overall contest structure, let’s zoom in on the structure each problem will follow.

1. **Problem**: A brief description of the problem statement. Read this very carefully.
2. **Input**: It describes the format in which the input to a program will be provided.
3. **Output**: It describes the format and output of a program you *must* follow.
4. **Constraints**: As the name suggests, it will tell you the limits/range of values a variable will have.
5. **Sub-task**: This section will mention all the sub-tasks and the points associated with each sub-task.
6. **Sample Input**: It shows an example input to a program, based on its format mentioned in *Input* section above.
7. **Sample Output**: It shows an example output of a program for the corresponding *Sample Input* based on its format mentioned in *Output* section above.
8. **Explanation**: This section explains the problem using the *Sample Input* and *Sample Output* as a reference.

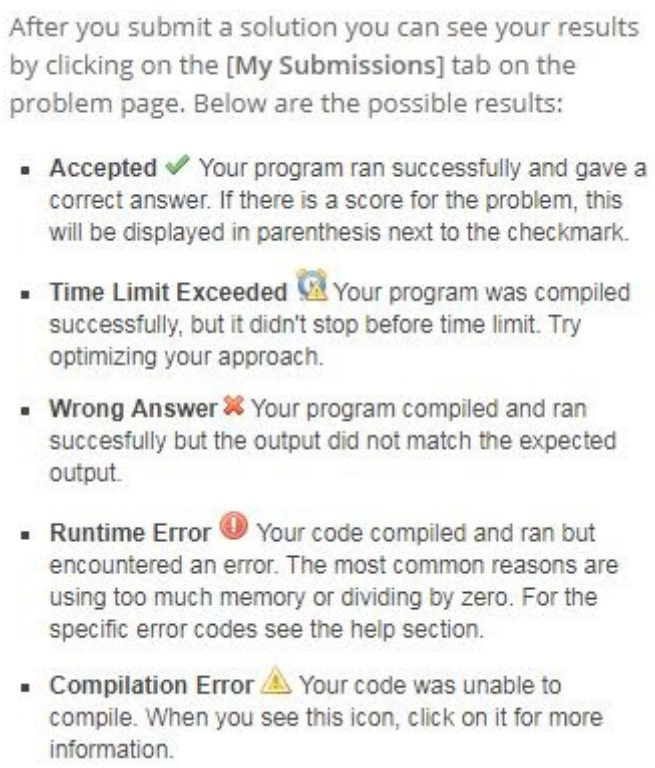
Given all the above details, one might wonder how to feed the input values of test cases to the code? You need not worry about that. Just assume there is a user at the other end who is inserting the input to your program. You just have to read and parse the values.

Also, to test your solution, you may copy-paste the *Sample Input* from each Problem on the main page, into the IDE console (ensure that the Custom Input box is checked on for this).

A word of caution:

While displaying the results, make sure you display it in the exact format as is specified in the problem. For example, ***an extra space, capitals*** *etc. in the output can cause the code to fail the test case.*

Here’s a list of possible remarks for the output you might get. You can also find this list on the right bottom corner of the problem page.


After you submit a solution you can see your results by clicking on the [My Submissions] tab on the problem page. Below are the possible results:

- **Accepted** Your program ran successfully and gave a correct answer. If there is a score for the problem, this will be displayed in parenthesis next to the checkmark.
- **Time Limit Exceeded** Your program was compiled successfully, but it didn't stop before time limit. Try optimizing your approach.
- **Wrong Answer** Your program compiled and ran succesfully but the output did not match the expected output.
- **Runtime Error** Your code compiled and ran but encountered an error. The most common reasons are using too much memory or dividing by zero. For the specific error codes see the help section.
- **Compilation Error** Your code was unable to compile. When you see this icon, click on it for more information.

How do I access the Team-Contest?

- Head over to **CodeChef** and create an account using the same **email address** that you used to register on the eYRC portal. If you have already have a CodeChef account, simply log in to your account. *Please make sure you use the same email address that you used while registering for eYRC*.
- Once you have logged in your CodeChef account, click on this link: **Team-Contest Page**.
- To participate, you will have to create a team with the team name as **`SS_<Team-ID>`**. So, if your **Team ID** is ***999***, you will create the team named as ***SS_0999***.
- In order to avoid duplicate teams, it is recommended that **only the team leader** creates the team and sends invite to other members of the team.
- A student can be part of **only one** team, the one with which they registered for eYRC.
- **DO NOT** change team compositions at this stage.
  - **NO** participant should be part of more than one team.
  - Students **not abiding** by this rule will result in all the team members getting **disqualified** from the competition.
- Once you have formed the team (**Team Contests)**, you can enter the contest here: **Team-Contest Page**.
- You will find the list of **10 problems**. Clicking on one of these problems will lead you to the problem page where you will find all the details of that particular problem.
- All that’s left now, is to start solving the problem and submit your solution.

Just a suggestion

Try to explore CodeChef and get yourself acquainted with the platform before you begin with the contest. CodeChef supports many languages. You could try attempting the practice problems (in Python 3.6) hosted on CodeChef.

General Instructions

- Read the Problem Statement very, very carefully as it will describe you the Output format (as even a single space/character etc. added or missed would result in *Wrong Answer*
- Facing a technical issue or a general doubt? Approach us on Discourse.
- Include the tags `task-0` and `codechef` in your query, these will appear after you have selected a mandatory QnA tags. You will get an answer from us within 24 hrs.
- While performing this or any other task, please refrain from using any other forum or media like email or social media to ask your queries.
- Just sweep through Discourse before asking a question. Many times, the same or similar kind of question is already answered.

6 Likes