Instructions for DSA Lab

Instructions

Follow the steps below to complete DSA lab.

Step 1: Read Lab Question

Read the Lab questions given in a separate file `Lab_question.pdf`.

Step 2: Rename the cpp template file

Rename the following **two** cpp file names:

1. `L4_Q1_YourBITSid.cpp` file
2. `L4_Q2_YourBITSid.cpp` file

Use your own (13 character) BITS Id in place of `YourBITSid` in the above file names.

Step 3: See the input and the expected output

Use the following command to see the input and the expected output for test case `T1`.

```
:~$ ./RunTestCase.py Q1 YourBitsId T1
```

Step 4: Compile and Run your program

Modify the file `L4_Q1_YourBITSid.cpp` to solve problem `Q1`. Use the following command to compile and run your program for test case `T1`.

```
:~$ ./RunTestCase.py Q1 YourBitsId T1
```

Repeat this step until your algorithm passes all the four test cases : `T1, T2, T3` and `T4`.

Step 5: Solve Q2

Modify the file `L4_Q2_YourBITSid.cpp`. Type `Q2` instead of `Q1` in the commands given in steps 3 and 4. Repeat steps 3 and 4 to solve the problem `Q2`. Note that for problem `Q2` there are seven testcases : `T1, T2, T3, T4, T5, T6` and `T7`.

Step 5: Create zip file and submit

If you feel your program is ready for submission, run the following command.

```
:~$ ./CreateSubmission.py YourBitsId
```

The above command should create a zip file. Upload the zip file on Quanta. Do **not** rename or modify the zip file.

Note

The lab will end at 5:50 PM. Submissions will be accepted only through Quanta. Submissions will **not** be accepted through email or through any other means. Your submission will be evaluated only if you follow the above instructions and submit the correct zip file before 5:50 PM.