

ASSIGNMENT EVALUATOR

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REQUIREMENT

The project is aimed at automating evaluations of C/ C++ programming assignments.

MOTIVATION

- ❖ Manual evaluation takes up a lot of time.
- ❖ The same time can be utilised for some other useful task rather than repeating the same tests for each student in the entire batch.

HOW THIS WORKS?

- ❖ The evaluation just requires running a script which does all the work.
- ❖ Even a non-technical person can evaluate the assignments.

FUNCTIONALITIES

- ❖ It supports C/ C++ compilation.
- ❖ Generates class performance report.
- ❖ Generates report for each student for every test case (test cases failed/ passed).
- ❖ Assigning grades to students based on given grading scheme
- ❖ Automated mailing of reports to corresponding students containing detailed description of no. of test cases passed/ failed, marks deducted for each test case etc.

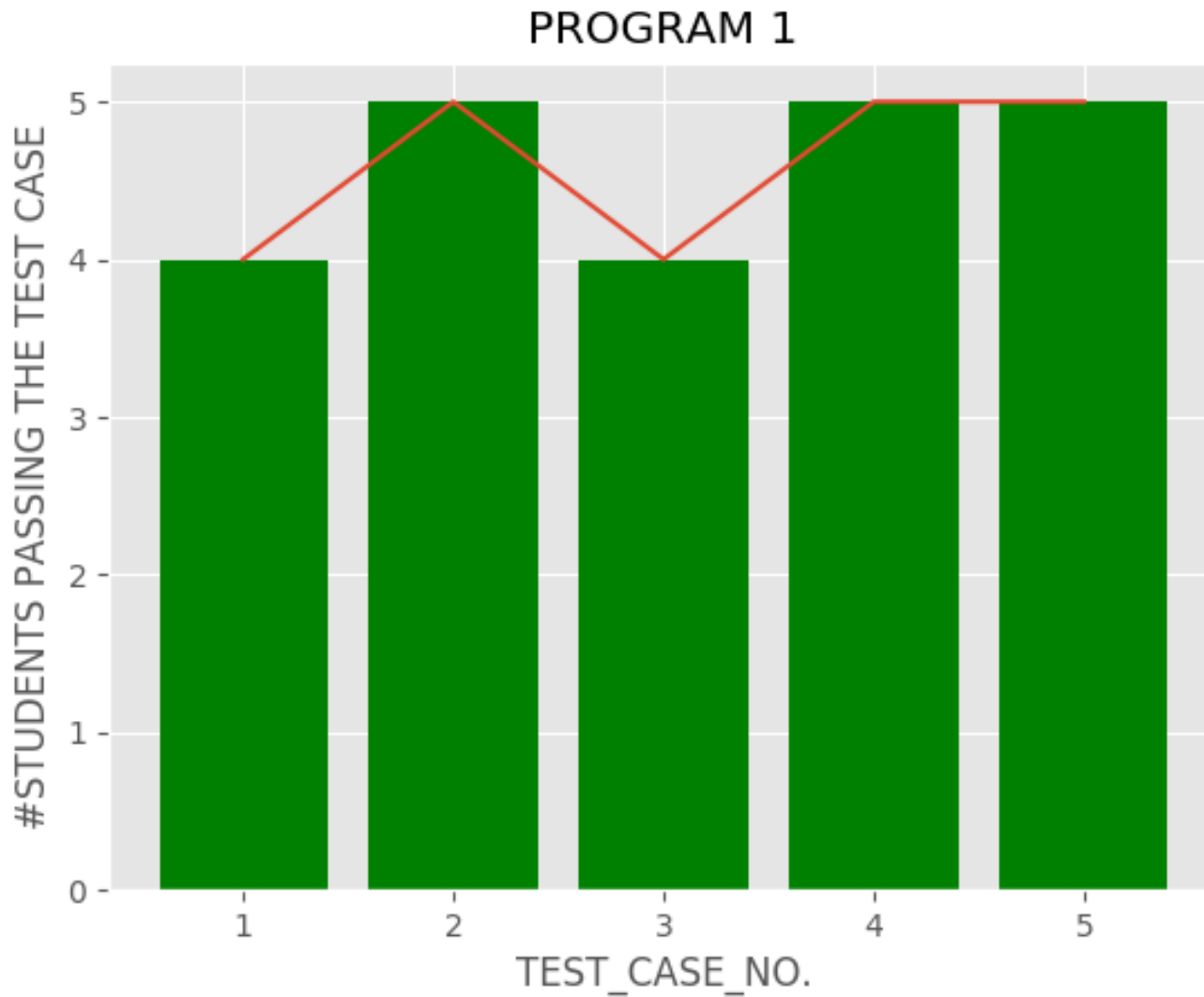
FUNCTIONALITIES

- ❖ Timeout constraint per test case.
- ❖ Partial matching of output
- ❖ Plagiarism check

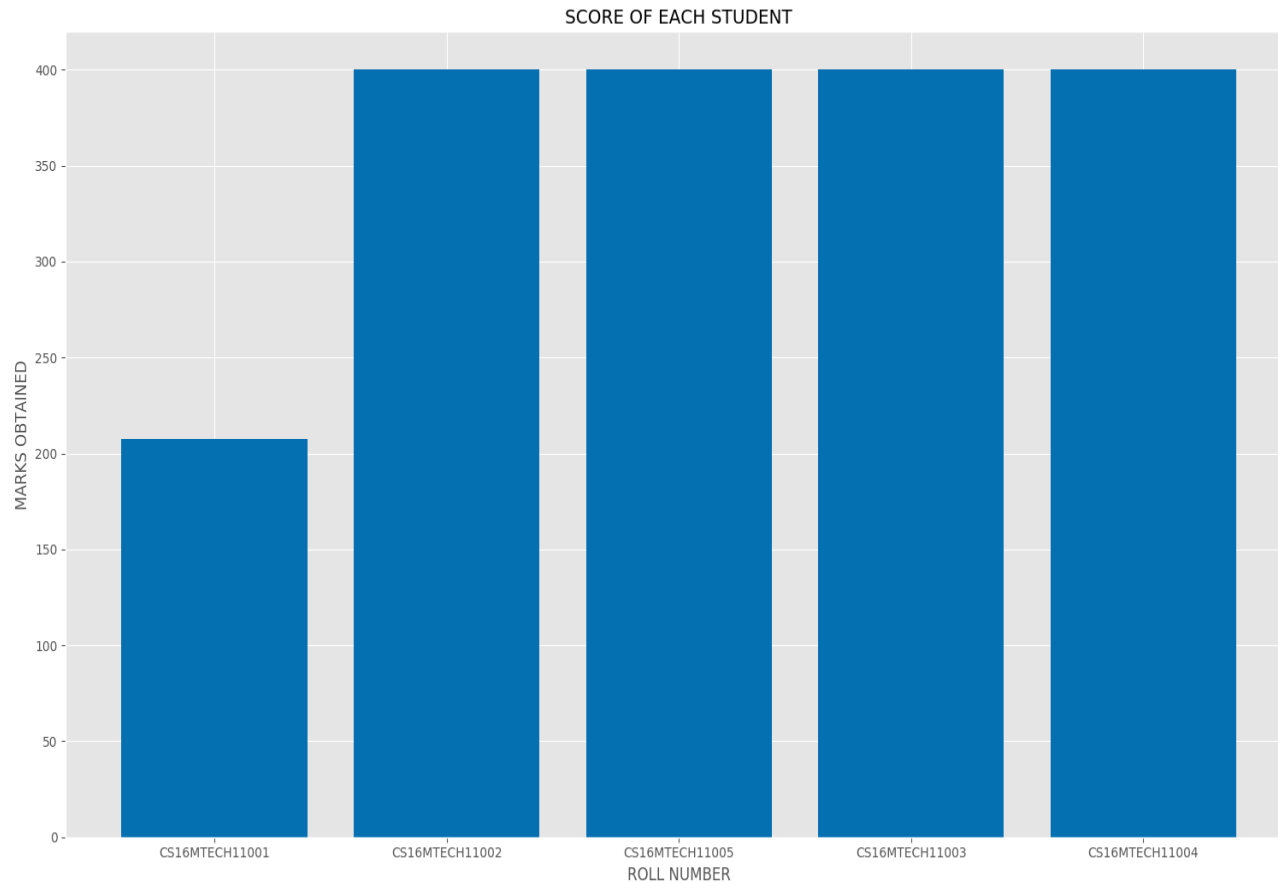
OUTPUT

1. Class performance
2. performance of each student
3. performance of student on every test case
4. Mark sheet of whole class
5. Test case input and output report
6. Plagiarism check report

1.CLASS PERFORMANCE



2.PERFORMANCE OF EACH STDUENT



3.PERFORMANCE OF STUDENT ON EVERY TEST CASE

CH11001.xlsx - LibreOffice Calc

Calibri 14 B I U T A

A2 f_x Σ = PROG. NO.

	A	B	C	D	E	F	G	H	I	J
1		TEST CASES								
2	PROG. NO.	TEST CASE 1	TEST CASE 2	TEST CASE 3	TEST CASE 4	TEST CASE 5				
3	1	20	30	30	10	10				
4	2	30	35	25	10					
5	3	20	7.5	24	25.8					
6	4	25	25	30	20					
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Sheet1 of 1 PageStyle_Sheet1 Sum=0 100%

DP

4.MARKSHEET OF WHOLE CLASS

LibreOffice Calc

Calibri 13 B I U T F

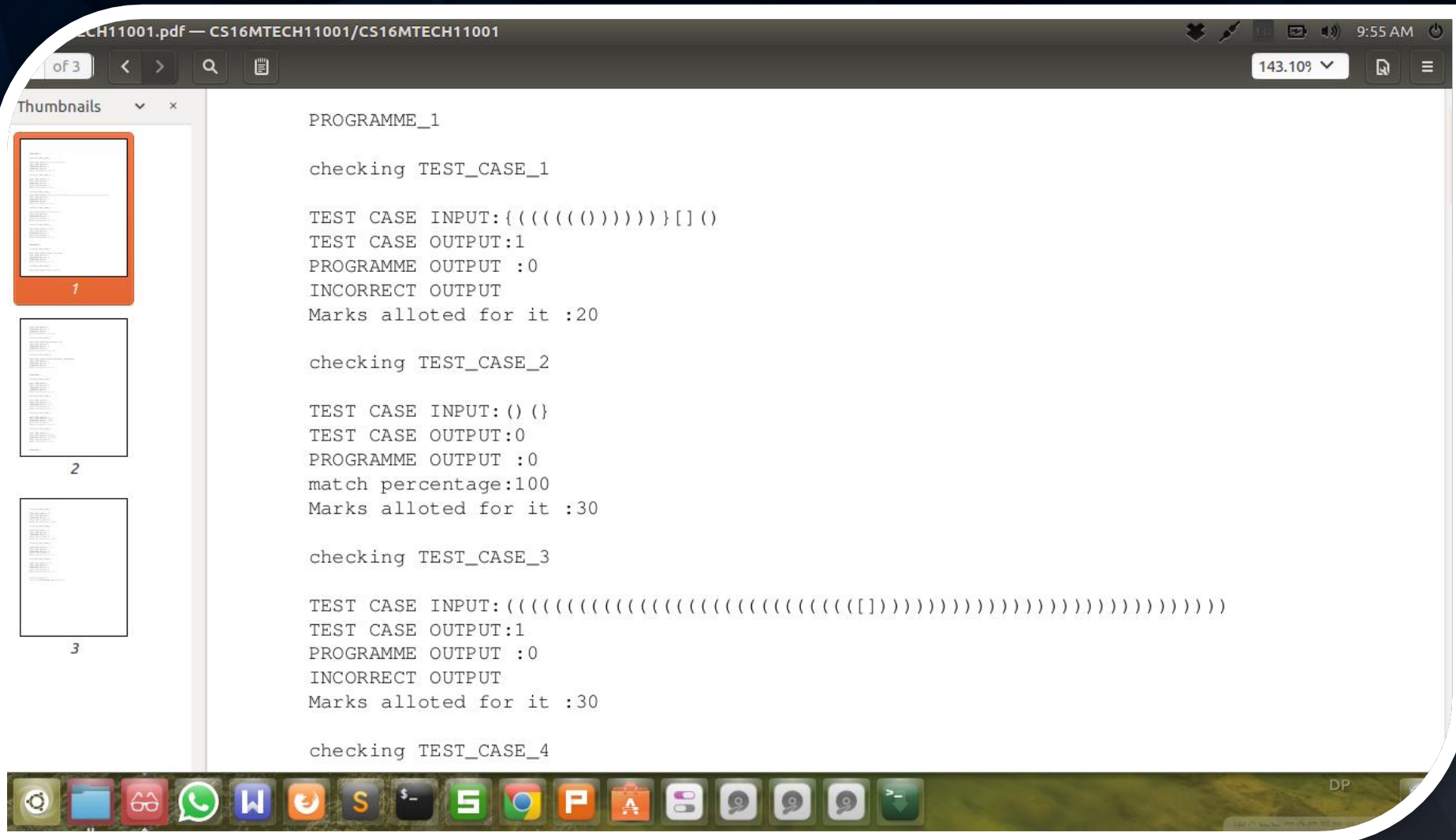
A1 f_x Σ = ROLL

	A	B	C	D	E	F	G
1	ROLL	MARKS OBTAINED	TOTAL MARKS	PERCENTAGE	GRADE		
2	CS16MTECH11001	207.3	400	51.825	C		
3	CS16MTECH11002	400	400	100	A		
4	CS16MTECH11005	400	400	100	A		
5	CS16MTECH11003	400	400	100	A		
6	CS16MTECH11004	400	400	100	A		
7							
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Sheet 1 of 1 Sheet1 PageStyle_Sheet1 Sum=0 100%

DP

5. TEST CASE INPUT AND OUTPUT REPORT



6. PLAGIARISM CHECK REPORT

Results - Mozilla Firefox

plagiarism checker - ... x jio MyJio Account - Sig... x Moss Results x jio recharge - Googl... x Moss Results +

moss.stanford.edu/results/34685674/ jio recharge

Moss Results

Sat May 6 05:35:29 PDT 2017

Options -l c -m 10

[[How to Read the Results](#) | [Tips](#) | [FAQ](#) | [Contact](#) | [Submission Scripts](#) | [Credits](#)]

File 1	File 2	Lines Matched
progs/CS16MTECH11004_4.cpp (98%)	progs/CS16MTECH11005_4.cpp (98%)	53
progs/CS16MTECH11003_4.cpp (98%)	progs/CS16MTECH11005_4.cpp (98%)	53
progs/CS16MTECH11003_4.cpp (98%)	progs/CS16MTECH11004_4.cpp (98%)	53
progs/CS16MTECH11002_4.cpp (98%)	progs/CS16MTECH11005_4.cpp (98%)	53
progs/CS16MTECH11002_4.cpp (98%)	progs/CS16MTECH11004_4.cpp (98%)	53
progs/CS16MTECH11002_4.cpp (98%)	progs/CS16MTECH11003_4.cpp (98%)	53
progs/CS16MTECH11001_4.cpp (98%)	progs/CS16MTECH11005_4.cpp (98%)	53
progs/CS16MTECH11001_4.cpp (98%)	progs/CS16MTECH11004_4.cpp (98%)	53
progs/CS16MTECH11001_4.cpp (98%)	progs/CS16MTECH11003_4.cpp (98%)	53
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progs/CS16MTECH11002_1.cpp (97%)	progs/CS16MTECH11005_1.cpp (97%)	40
progs/CS16MTECH11002_1.cpp (97%)	progs/CS16MTECH11004_1.cpp (97%)	40
progs/CS16MTECH11002_1.cpp (97%)	progs/CS16MTECH11003_1.cpp (97%)	40
progs/CS16MTECH11001_1.cpp (97%)	progs/CS16MTECH11005_1.cpp (97%)	41
progs/CS16MTECH11001_1.cpp (97%)	progs/CS16MTECH11004_1.cpp (97%)	41
progs/CS16MTECH11001_1.cpp (97%)	progs/CS16MTECH11003_1.cpp (97%)	41



THANK YOU