

Parikshak – An Automated program grading tool

www.parikshak.in

Problem being addressed

“Nobody should graduate with a degree in computer science or computer engineering without having completed a significant programming project. Code is the base of computing!”

-Bjarne Stroustrup (The creator of C++ Programming Language)

On contrary thousands of computer graduates pass without writing 'Significant' and 'Quality' code because of inherent problems of manual program grading :

- Tedious, Time Consuming, Subjective and Inconsistent Program Grading Process
- Lack of programming practice opportunities, timely & detailed feedback


About Parikshak

- An Automated Program Grading & Analysis Tool
- Teachers can conduct, evaluate & analyze programming exams Online
- Aspects of Programming supported
 - Writing complete program
 - Debugging existing program
 - Completing a partial program
- Currently supports grading C, C++, Java, Perl, Python, PHP and Assembly languages and allows to add more languages

Features

- Online GUI for Administrator, Teacher and Student
- Support for grading C, C++, Java, Perl, Python, PHP and Assembly languages
- Qualitative Analysis of results/student programs
- Plagiarism Detection Module
- Instant feedback to students
- Question Banking
- Live Monitoring of Exams & Assignment

Programming Window for Students



प्रगत संगणन विकास केंद्र
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

Welcome student

Time Left: **03:57:19** [Hide](#)

Assignment 3 (Decision Tree) | [Last attempt code](#) | [Recover Code](#)

PARIKSHAK
Online Program Grading Tool

Data Structure Assignment (2012-13)

[Problem Statement](#) | [Input Specification](#) | [Output Specification](#) | [Sample I/O](#)

java (1.6) | Filename: DecisionTree.java

```
DecisionTree.java X
1 import ncst.pgdst.*;
2
3
4 class Node{
5
6     String data;
7     Node left,right;
8
9     Node(String data){
10        this.data = data;
11        left = right = null;
12    }
13 } // End of class Node
14
15 class Tree{
16     Node root = null;
17     static String leaf="";
18
```

Ln: 11, Ch: 5, | Total Ln: 84

Toggle editor

Provide your own test cases:

Input X

1

Ln: 0, Ch: 0, | Total Ln: 1


Toggle editor

Output:

```
Execution Time : 0.02 Second
Execution Space : 4515 Kbyte
-----
Y. Y. Y. Y. Y.
```

[Compile](#) | [Self Assesment](#) | [Submit to Grader](#) | [Close Test](#)

Reporting of Results




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Welcome teacher

[Logout](#)

[HOME](#) | [QUESTION](#) | [TEST](#) | [PROFILE](#) | [GROUP](#) | [PENDING REQUEST](#) | [RESULT](#) | [LIVE MONITOR](#)



Online Program Grading Tool

By Test

Exam: --Select Exam--

Assignment: --Select Assignment--

By Student

Search:

--Select Student--

Process Result

Test: OOP Lab Assignment(1) DAC

Test Name: **OOP Lab Assignment(1) DAC/WiMC 2013-02 Batch** [Unpublish Result](#)

Test Type	No of Question	Start Date	End Date	Duration	Attempt Limit	Student Appeared
ASSIGNMENT	3 Show Problems	28 Feb 2013	04 Mar 2013	03:00 (hh:mm)	30	93




Pass: ■

Fail: ■

Not Attempt: ■

Student	Q 1	Q 2	Q 3	Attempt	Result	Details
130240320026	■	■	■	13	3 / 3	View
130240320003	■	■	■	4	3 / 3	View
130240320009	■	■	■	7	3 / 3	View
130240320046	■	■	■	8	3 / 3	View
130240521001	■	■	■	11	3 / 3	View
130240521002	■	■	■	8	3 / 3	View
130240320022	■	■	■	6	2 / 3	View
130240320044	■	■	■	7	3 / 3	View
130240320077	■	■	■	11	3 / 3	View
student	■	■	■	3	1 / 3	View
130240320049	■	■	■	6	2 / 3	View

Dig into student result and code

Test Type	No of Problems	Start Date	End Date	Duration	Attempt Limit	Attempt	Pass:	Fail:	Not Attempt:
ASSIGNMENT	3 Show Problems	28 Feb 2013	04 Mar 2013	03:00 (hh:mm)	30	13			

Attempt	Time	IP	Attempt Result
Attempt: 1	02-03-2013 16:56	14.97.33.129	0 / 3
Attempt: 2	03-03-2013 00:33	14.97.238.239	0 / 3
Attempt: 3	03-03-2013 01:00	14.97.238.239	0 / 3
Attempt: 4	03-03-2013 13:17	14.97.46.15	0 / 3
Attempt: 5	03-03-2013 13:56	14.97.46.15	0 / 3
Attempt: 6	03-03-2013 15:01	14.97.46.15	0 / 3
Attempt: 7	03-03-2013 16:19	14.97.143.16	0 / 3
Attempt: 8	03-03-2013 17:01	14.97.143.16	0 / 3
Attempt: 9	03-03-2013 17:26	14.97.143.16	0 / 3
Attempt: 10	03-03-2013 20:27	14.97.214.95	0 / 3
Attempt: 11	04-03-2013 11:41	202.141.152.17	1 / 3

Question	Compilation	Language	Result	Score	Year	Submit Time
Find the length of Maximum subsequence 1	true	C	X			04-03-2013 11:58
Find the length of Maximum subsequence 1	true	C	X			04-03-2013 11:57
Find the length of Maximum subsequence 1	true	C	S			04-03-2013 11:56
Find the length of Maximum subsequence 1	true	C	X			04-03-2013 11:53
Find the length of Minimum subsequence of 1	true	C	Y Y Y Y Y Y	0.0	2016	04-03-2013 11:48
Find the length of Minimum subsequence of 1	true	C	Y Y Y X Y X	0.0	2008	04-03-2013 11:43

Attempt	Time	IP	Attempt Result
Attempt: 12	04-03-2013 16:07	202.141.152.17	0 / 3
Attempt: 13	04-03-2013 16:46	202.141.152.17	2 / 3

Source Code

```
#include <stdio.h>
int main()
{
    int count=0,minLen=100;
    char c[101],*p;
    //printf("Enter String : ");
    scanf("%s",c);
    p=c;
    while(*p!='\0')
    {
        if(*p=='1')
        {
            count++;
            p++;
        }
        else
        {
            if(count <= minLen && count !=0)
            {minLen = count;}
            count=0;
            p++;
        }
    }
}
```

Thank You

