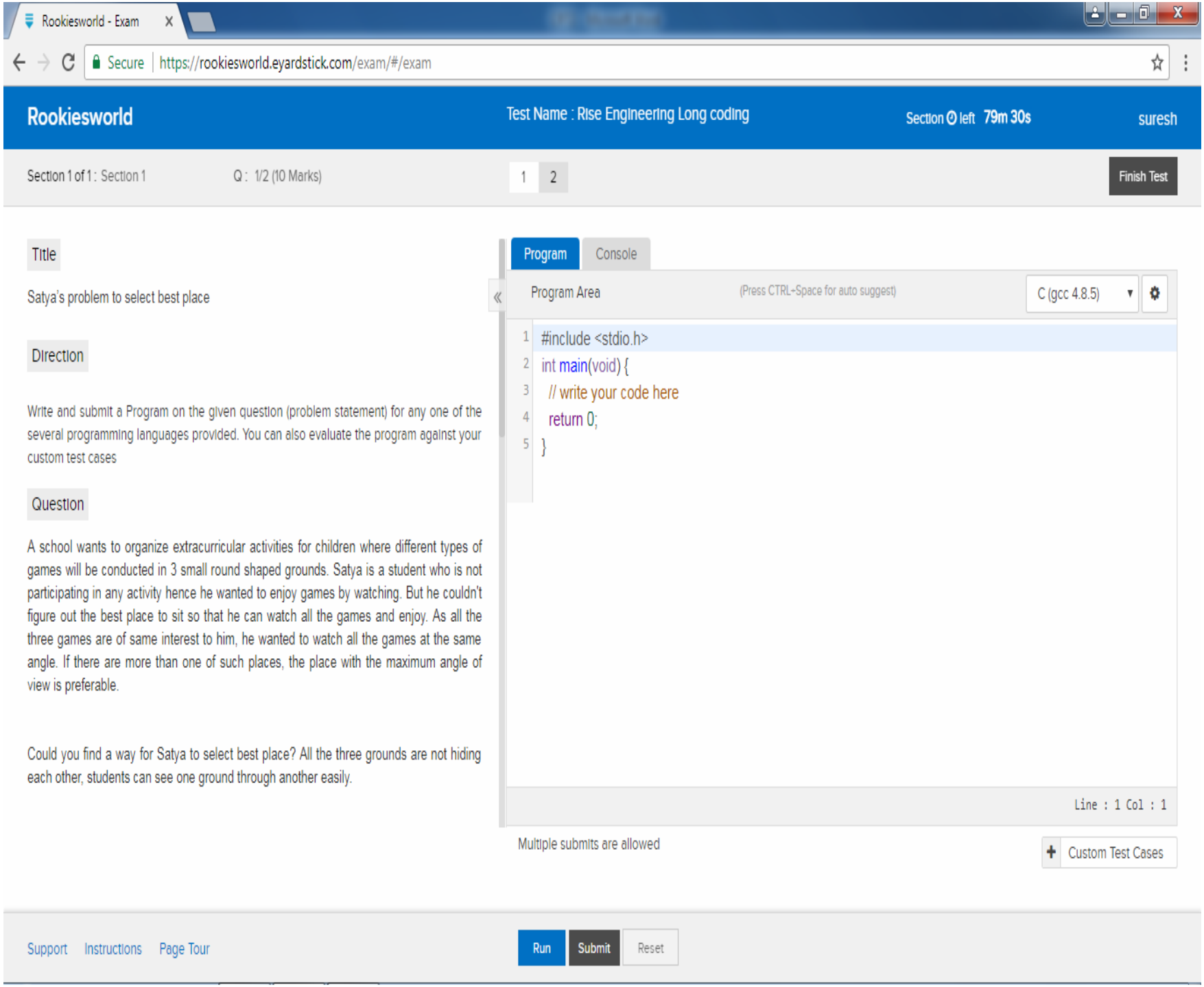
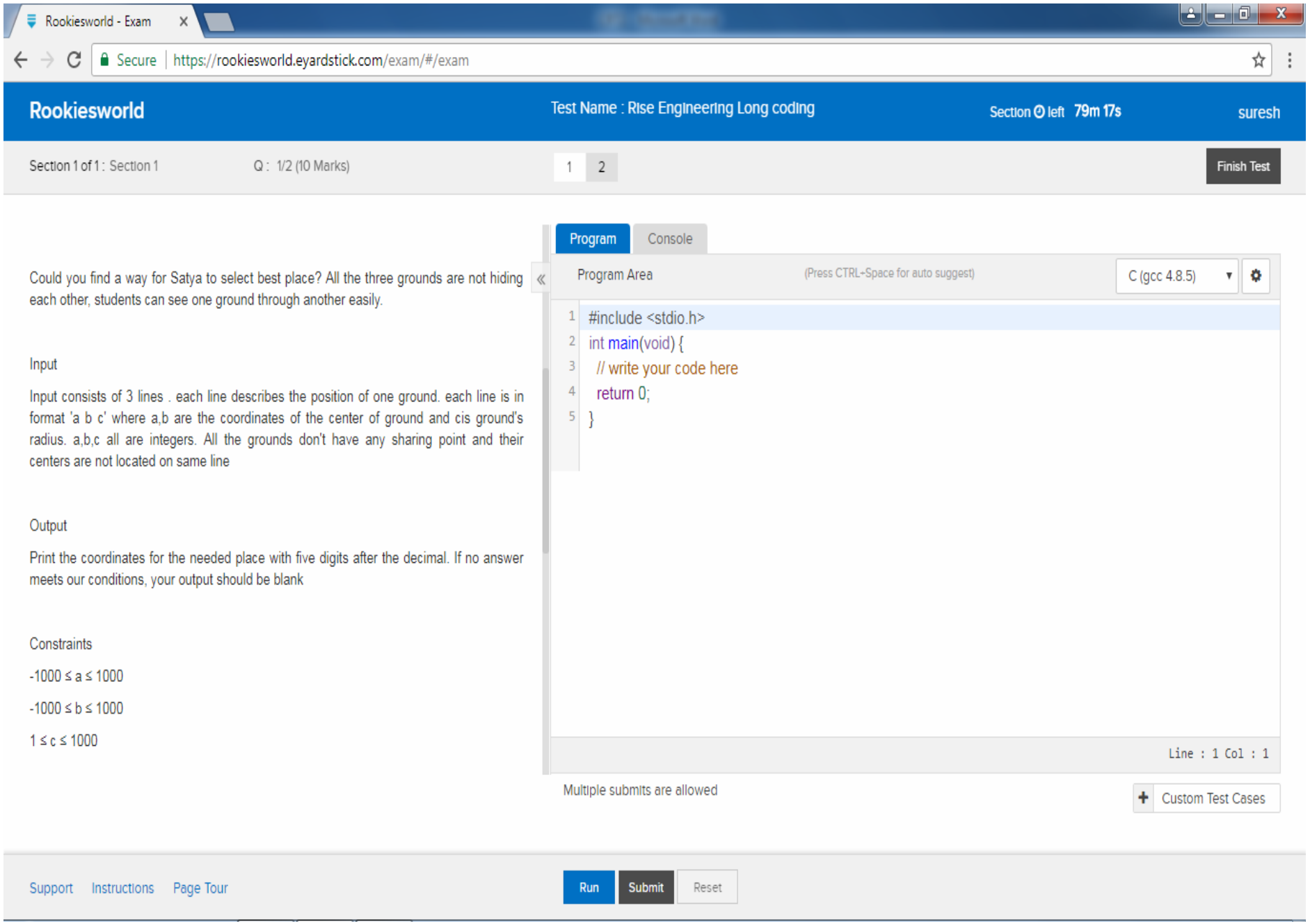

Rookiesworld - Exam
Secure
https://rookiesworld.eyardstick.com/exam/#/exam
Rookiesworld
Test Name : Rise Engineering Long coding
Section left 79m 30s
suresh
Section 1 of 1 : Section 1
Q : 1/2 (10 Marks)
1
2
Finish Test
Title
Satya's problem to select best place
Direction
Write and submit a Program on the given question (problem statement) for any one of the several programming languages provided. You can also evaluate the program against your custom test cases
Question
A school wants to organize extracurricular activities for children where different types of games will be conducted in 3 small round shaped grounds. Satya is a student who is not participating in any activity hence he wanted to enjoy games by watching. But he couldn't figure out the best place to sit so that he can watch all the games and enjoy. As all the three games are of same interest to him, he wanted to watch all the games at the same angle. If there are more than one of such places, the place with the maximum angle of view is preferable.
Could you find a way for Satya to select best place? All the three grounds are not hiding each other, students can see one ground through another easily.
Program
Console
Program Area
(Press CTRL+Space for auto suggest)
C (gcc 4.8.5)
1 #include <stdio.h>
2 int main(void) {
3 // write your code here
4 return 0;
5 }
Line : 1 Col : 1
Multiple submits are allowed
Custom Test Cases
Support
Instructions
Page Tour
Run
Submit
Reset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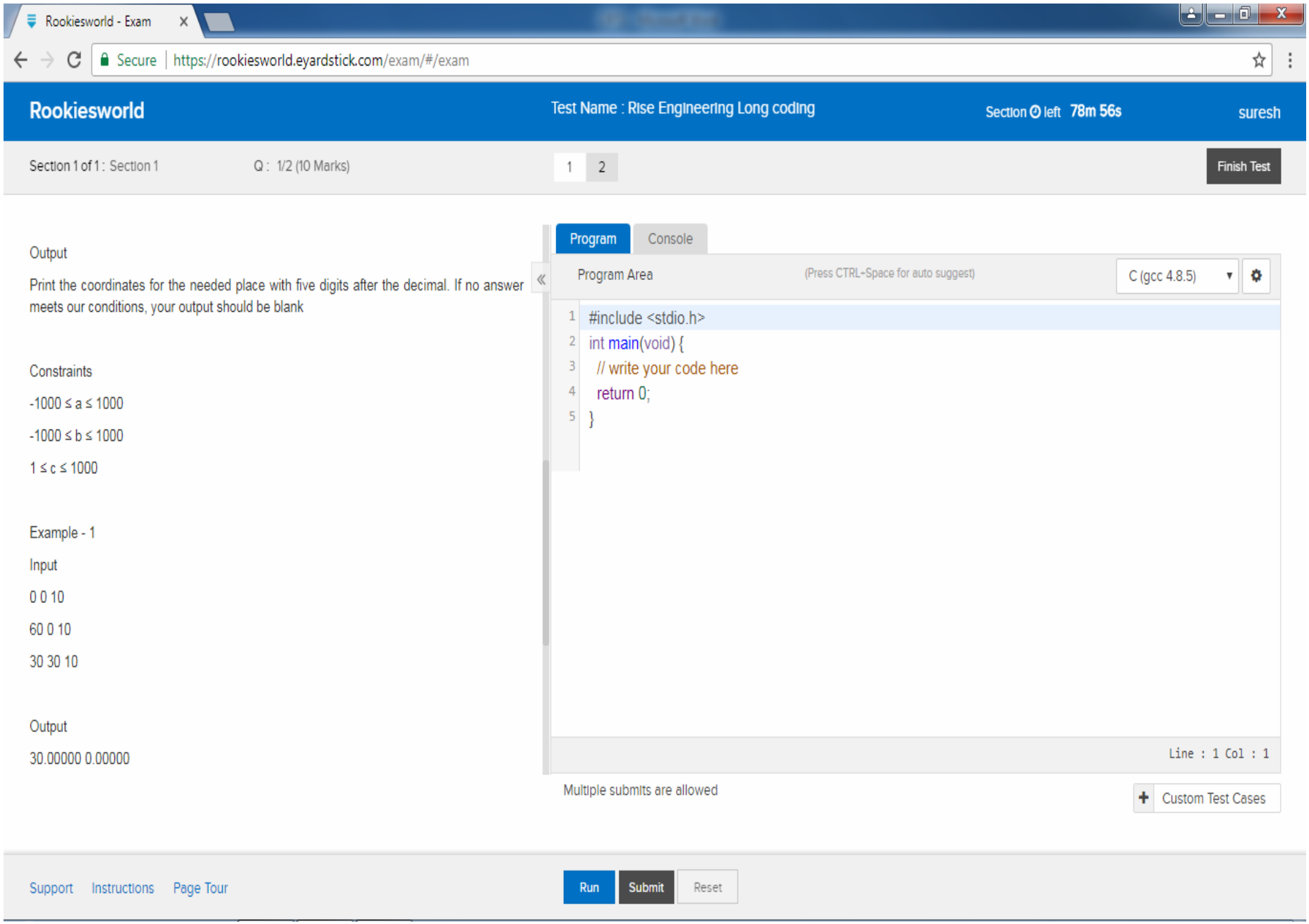
Rookiesworld
Test Name : Rise Engineering Long coding
Section left 79m 17s
suresh
Section 1 of 1 : Section 1
Q : 1/2 (10 Marks)
1
2
Finish Test
Could you find a way for Satya to select best place? All the three grounds are not hiding each other, students can see one ground through another easily.
Input
Input consists of 3 lines . each line describes the position of one ground. each line is in format 'a b c' where a,b are the coordinates of the center of ground and cis ground's radius. a,b,c all are integers. All the grounds don't have any sharing point and their centers are not located on same line
Output
Print the coordinates for the needed place with five digits after the decimal. If no answer meets our conditions, your output should be blank
Constraints
-1000 ≤ a ≤ 1000
-1000 ≤ b ≤ 1000
1 ≤ c ≤ 1000
Program
Console
Program Area
(Press CTRL+Space for auto suggest)
C (gcc 4.8.5)
1 #include <stdio.h>
2 int main(void) {
3 // write your code here
4 return 0;
5 }
Line : 1 Col : 1
Multiple submits are allowed
Custom Test Cases
Support
Instructions
Page Tour
Run
Submit
Reset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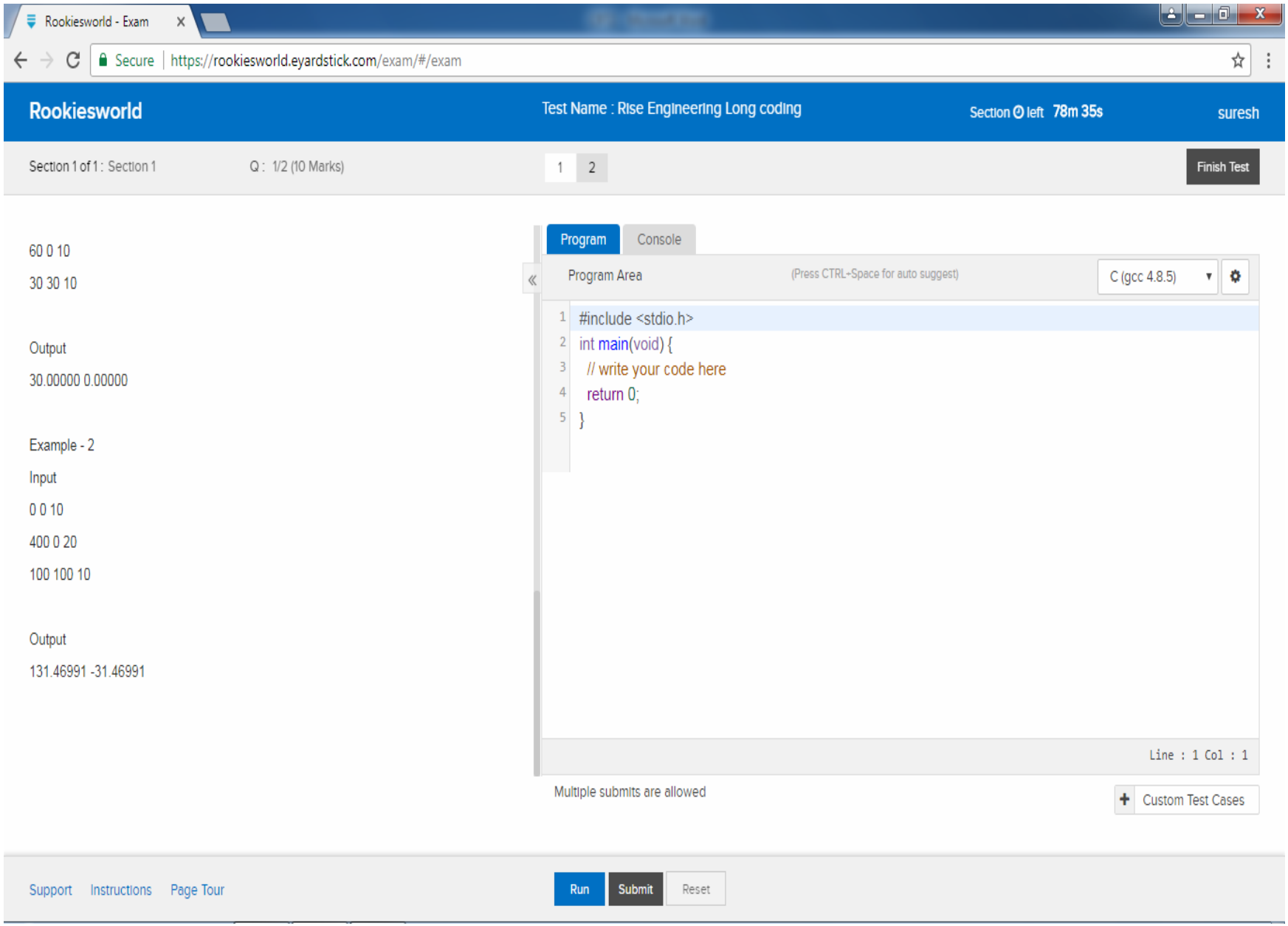
Rookiesworld
Test Name : Rise Engineering Long coding
Section left 78m 56s
suresh
Section 1 of 1 : Section 1
Q : 1/2 (10 Marks)
1
2
Finish Test
Output
Print the coordinates for the needed place with five digits after the decimal. If no answer meets our conditions, your output should be blank
Constraints
-1000 ≤ a ≤ 1000
-1000 ≤ b ≤ 1000
1 ≤ c ≤ 1000
Example - 1
Input
0 0 10
60 0 10
30 30 10
Output
30.00000 0.00000
Program
Console
Program Area
(Press CTRL+Space for auto suggest)
C (gcc 4.8.5)
#include <stdio.h>
int main(void) {
// write your code here
return 0;
}
Line : 1 Col : 1
Multiple submits are allowed
Custom Test Cases
Support
Instructions
Page Tour
Run
Submit
Reset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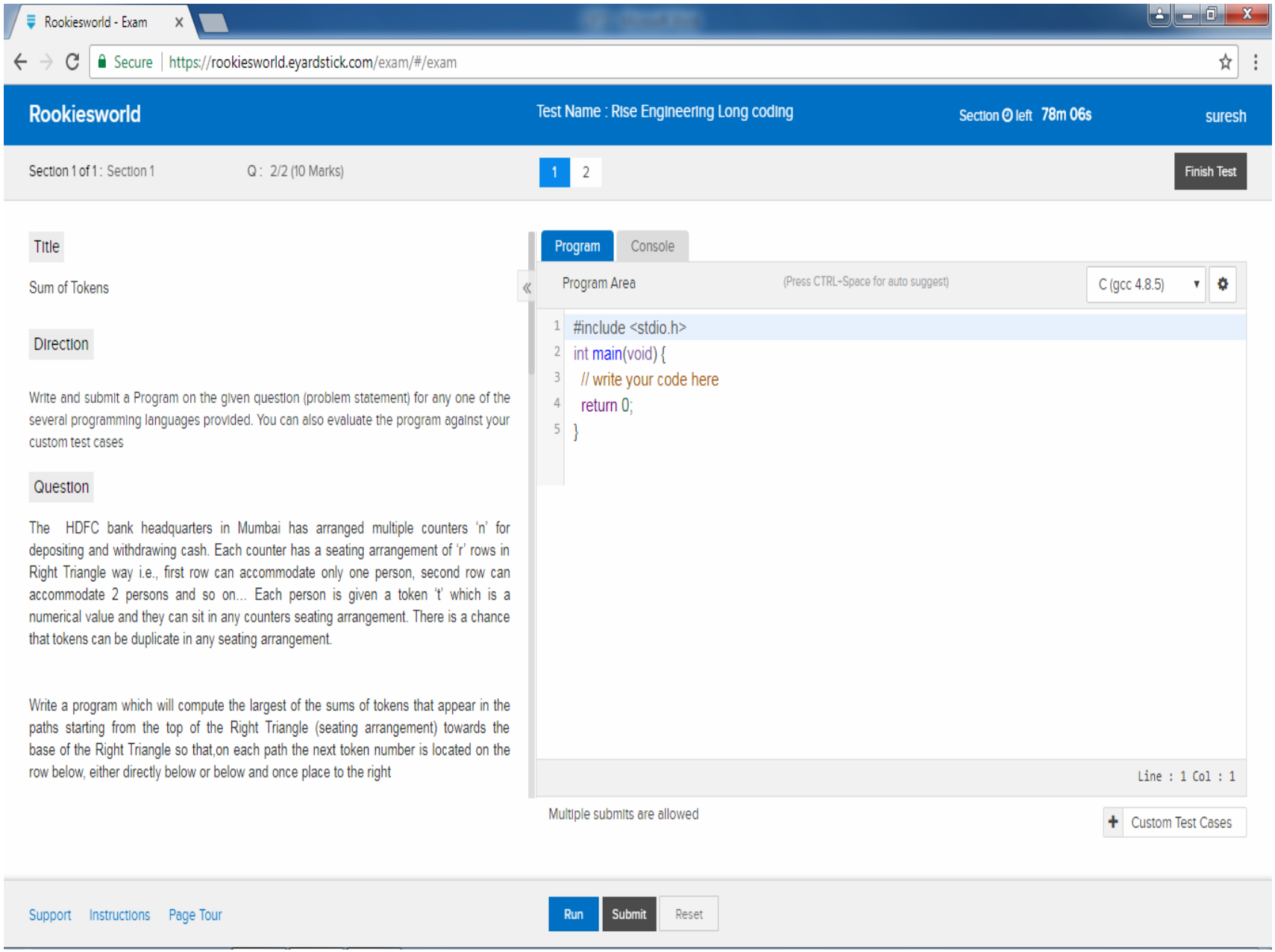
Rookiesworld
Test Name : Rise Engineering Long coding
Section left 78m 35s
suresh
Section 1 of 1 : Section 1
Q : 1/2 (10 Marks)
1
2
Finish Test
60 0 10
30 30 10
Output
30.00000 0.00000
Example - 2
Input
0 0 10
400 0 20
100 100 10
Output
131.46991 -31.46991
Program
Console
Program Area
(Press CTRL+Space for auto suggest)
C (gcc 4.8.5)
#include <stdio.h>
int main(void) {
// write your code here
return 0;
}
Line : 1 Col : 1
Multiple submits are allowed
Custom Test Cases
Support
Instructions
Page Tour
Run
Submit
Reset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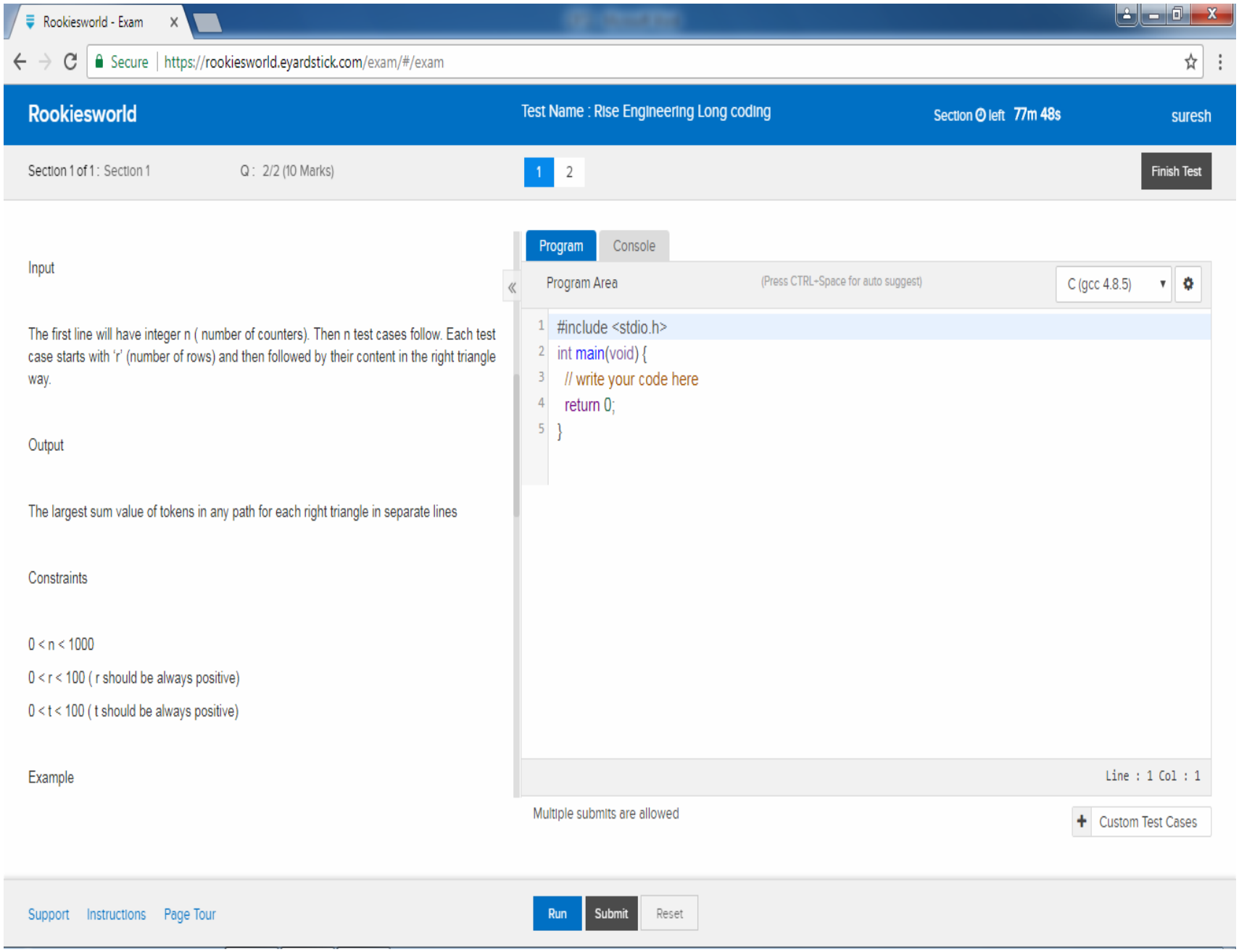
Rookiesworld
Test Name : Rise Engineering Long coding
Section left 78m 06s
suresh
Section 1 of 1 : Section 1
Q : 2/2 (10 Marks)
1
2
Finish Test
Title
Sum of Tokens
Direction
Write and submit a Program on the given question (problem statement) for any one of the several programming languages provided. You can also evaluate the program against your custom test cases
Question
The HDFC bank headquarters in Mumbai has arranged multiple counters 'n' for depositing and withdrawing cash. Each counter has a seating arrangement of 'r' rows in Right Triangle way i.e., first row can accommodate only one person, second row can accommodate 2 persons and so on... Each person is given a token 't' which is a numerical value and they can sit in any counters seating arrangement. There is a chance that tokens can be duplicate in any seating arrangement.
Write a program which will compute the largest of the sums of tokens that appear in the paths starting from the top of the Right Triangle (seating arrangement) towards the base of the Right Triangle so that,on each path the next token number is located on the row below, either directly below or below and once place to the right
Program
Console
Program Area
(Press CTRL+Space for auto suggest)
C (gcc 4.8.5)
#include <stdio.h>
int main(void) {
// write your code here
return 0;
}
Line : 1 Col : 1
Multiple submits are allowed
Custom Test Cases
Support
Instructions
Page Tour
Run
Submit
Reset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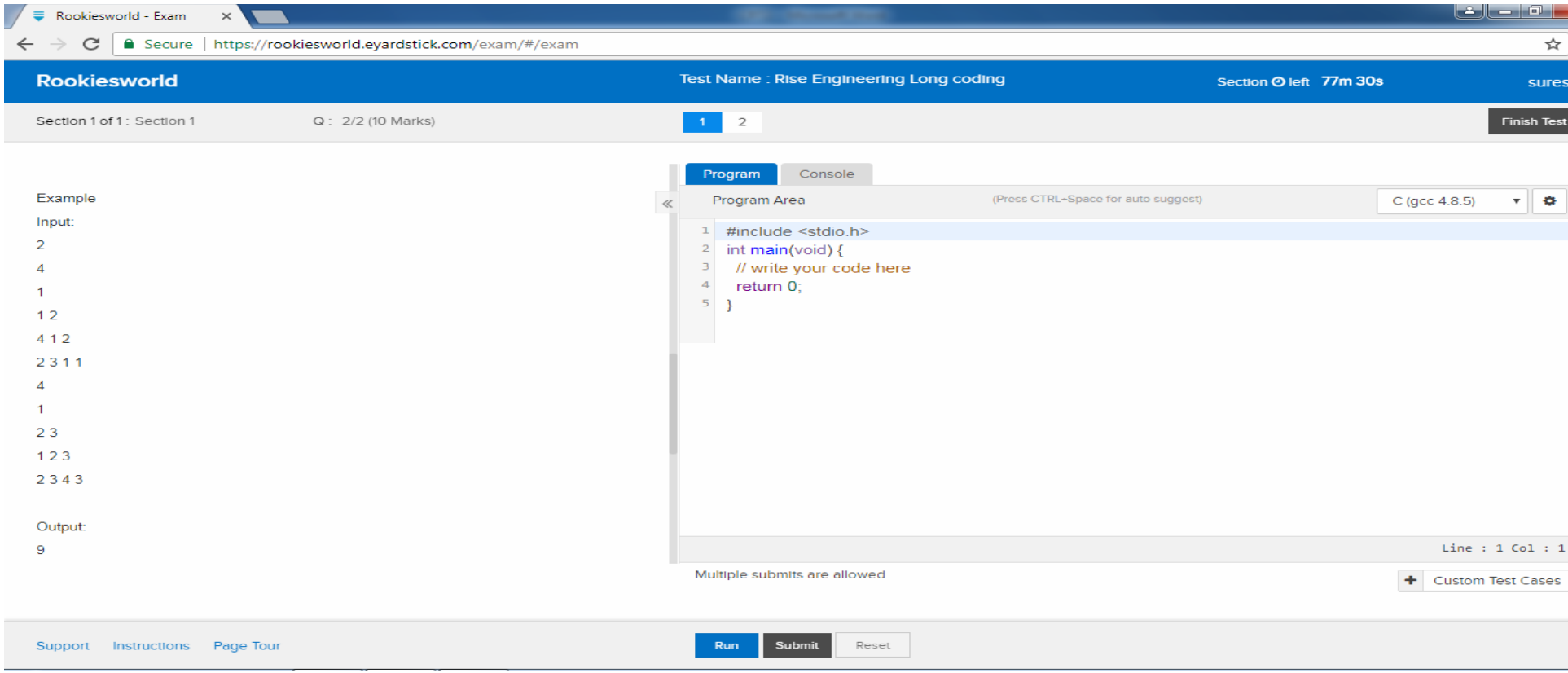
Rookiesworld
Test Name : Rise Engineering Long coding
Section left 77m 48s
suresh
Section 1 of 1 : Section 1
Q : 2/2 (10 Marks)
1
2
Finish Test
Input
The first line will have integer n (number of counters). Then n test cases follow. Each test case starts with 'r' (number of rows) and then followed by their content in the right triangle way.
Output
The largest sum value of tokens in any path for each right triangle in separate lines
Constraints
0 < n < 1000
0 < r < 100 (r should be always positive)
0 < t < 100 (t should be always positive)
Example
Program
Console
Program Area
(Press CTRL+Space for auto suggest)
C (gcc 4.8.5)
#include <stdio.h>
int main(void) {
// write your code here
return 0;
}
Line : 1 Col : 1
Multiple submits are allowed
Custom Test Cases
Support
Instructions
Page Tour
Run
Submit
Reset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Rookiesworld
Test Name : Rise Engineering Long coding
Section left 77m 30s
Section 1 of 1 : Section 1
Q : 2/2 (10 Marks)
1
2
Finish Test
Example
Input:
2
4
1
1 2
4 1 2
2 3 1 1
4
1
2 3
1 2 3
2 3 4 3
Output:
9
Program
Console
Program Area
(Press CTRL+Space for auto suggest)
C (gcc 4.8.5)
#include <stdio.h>
int main(void) {
// write your code here
return 0;
}
Line : 1 Col : 1
Multiple submits are allowed
Custom Test Cases
Support
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Reset

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Rookiesworld | Test Name : Rise Engineering Long coding | Section left 76m 59s | suresh

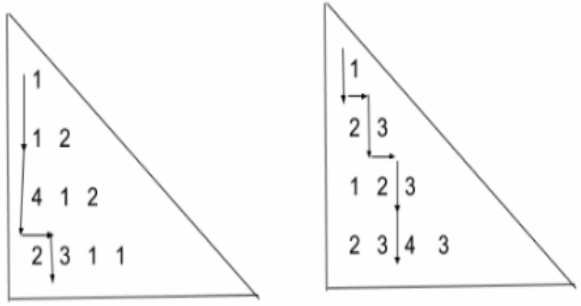
Section 1 of 1 : Section 1 | Q : 2/2 (10 Marks) | 1 | 2 | Finish Test

9

11

Explanation:

Two counters seating arrangements in right triangle of each 4 rows. For the first triangle the sum of tokens is 1 + 1 + 4 + 3 = 9 and the second triangle the sum of tokens is 1 + 3 + 3 + 4 = 11. So the output is 9 and 11



Program | Console

Program Area (Press CTRL+Space for auto suggest) | C (gcc 4.8.5)

```
1 #include <stdio.h>
2 int main(void) {
3   // write your code here
4   return 0;
5 }
```

Line : 1 Col : 1

Multiple submits are allowed | + Custom Test Cases

Support | Instructions | Page Tour | Run | Submit | Reset