

ACSL is now accepting registrations for the 2025 - 2026 contest year.



American Computer Science League

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# GUIDE FOR THE STUDENT

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ACSL 2020-21, Contest 4, Senior Division Program Invitation Inbox x



ACSL Contest Invitation <support@hackerrankforwork.com>  
to

Oct 14, 2020, 2:26 PM (7 days ago)



## ACSL 2020-21, Contest 4, Senior Division Program

Powered by HackerRank

You have been invited to attend the test **ACSL 2020-21, Contest 4, Senior Division Program**. You can take this test any time. The duration of the test will be 4320 mins from the time you start.

[Start Test](#)

You can also use this [link](#) to access the test.

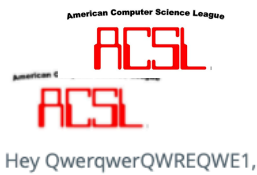
Once you begin the test, the timer will start and cannot be paused. In case of power failure or loss of internet connection where you're unable to attempt the test, please contact the hiring firm by replying to this email. For any technical queries, please refer to [FAQ](#) or contact [support](#). HackerRank only provides a platform to conduct the tests. It does not schedule or evaluate any hiring tests or conduct interviews for any company. Please directly contact the company that sent you the invite for such purposes.

When your advisor wants you to start taking the tests, you will be sent email from HackerRank.com with a link to the short answer part of the test. If you are in the Senior, Intermediate, or Junior divisions, you will receive a second email with a link to the programming part of the test.

When you are ready, click on the green **START TEST** link in the email. The time won't start yet, so not to worry. That link is custom to you. Do not forward that link to a classmate; do not use a link that was forwarded to you.



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## Welcome to ACSL 2020-21, Contest 1, Senior Division Short Problems

Test duration    No. of questions  
30 mins        5 questions

[Platform help and FAQ](#) | Powered by [HackerRank](#)

### Instructions

1. This is a timed test. Please make sure you are not interrupted during the test, as the timer cannot be paused once started.
2. Please ensure you have a stable internet connection.

Continue

The link takes you to the HackerRank platform. The righthand side of the page has general instructions for using the HackerRank platform for the solving the ACSL problems.

If you are not familiar with the HackerRank platform, you can take a [Sample Test](#), which includes both multiple choice questions and a programming problem.

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Hey Harvey Throgenbottom,

## Welcome to ACSL 2020-21, Contest 1, Senior Division Short Problems

Test duration    No. of questions  
30 mins        5 questions

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### Confirmation Form

Create HackerRank account to start the test.

Already have HackerRank account? [Login here](#)

Email address \*

Enter your email address

ⓘ Must be a valid email

Full name \*

Enter your full name

ⓘ Full name is required

Password \*

Enter your password

ⓘ Password should be least 6 characters

By signing up you agree to our [Terms of Service](#) and [Privacy policy](#)

Sign Up



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Hey Harvey\_throgen2,

## Welcome to ACSL Sample Programming Problem

Test duration    No. of questions  
5 mins            1 question

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## Confirmation Form

Before we start, here is some extra information we need to assess you better.

Logged in as

[Log in as a different user](#)

☐ Share my [HackerRank profile](#) with ACSL

Declaration Statement \*

☒ I will not consult/copy code from any source including a website, book, or friend/colleague to complete these tests, though may reference language documentation or use an IDE that has code completion features.

You agree to HackerRank's [cookie policy](#). We use cookies to ensure you have the best browsing experience on our website.

[Agree & Start](#)

Read and sign the declaration statement of honesty. And then begin!!

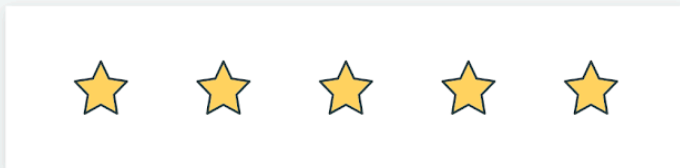
HackerRank has developed sophisticated algorithms for detecting plagiarism in programming solutions. Students found to be collaborating will score 0 points for that test.



## ✓ Test submitted successfully

ACSL has received your test report. If you would like to contact them, please go to the invitation e-mail you received and select "Reply All".

### 1. How was your overall experience?



### 2. What did you like?

After your test is submitted (we'll cover the specifics of the Short Problems and the Programming Problem below), you'll be prompted to rate the contest and provide feedback. Neither is required, but we do appreciate your feedback. Scores will appear on the ACSL Leaderboard within 2 hours.

# SHORT PROBLEMS

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2. Graph Theory

Multiple Choice

Answered

Modify Submission

3. Digital Electronics

Multiple Choice

Answered

Modify Submission

4. Digital Electronics

Multiple Choice

Not Answered

Solve Question

5. Assembly Language

Multiple Choice

Not Answered

Solve Question

Submit Test

The screen on the left is a typical Short Problems test. All questions are multiple choice. For most divisions, there are 6 questions; in the Classroom division, there are 12 questions. When the time is up, your test is automatically submitted for scoring; you can submit it before the time is up using the **Submit Test** button. Once you submit the exam, you will no longer have access to it or to your answers; your advisor will have a copy of the contest and solutions.

## PROGRAMMING PROBLEM

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Sum of two numbers

```
11 #
12 # Complete the 'sumTwo' function below
13 #
14 # The function is expected to return an INTEGER.
15 # The function accepts following parameters:
16 # 1. INTEGER a
17 # 2. INTEGER b
18 #
19
20 def sumTwo(a, b):
21     # Write your code here
22     return a+b
23
24 > if __name__ == '__main__': ...
```

Line: 23 Col: 1

Test Results Custom Input Run Submit Code

The HackerRank platform is a very rich programming environment, and we strongly suggest that you explore the environment with the **Try Sample Test** button in the initial page. In any event, the HackerRank platform will guide you through its features the first time that you use it.

Each Programming Problem is structured with boilerplate code that handles input and output. Your job will be to complete a function with specified parameters, and return a value in the correct format.

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The screenshot displays the ACSL programming contest interface. At the top, the ACSL logo is visible on the left, and navigation links for "About", "Get Started", and "Register" are on the right. The main area is divided into a code editor on the left and a results panel on the right. The code editor shows a Python function `def sumTwo(a, b):` with a comment `# Write your code here`. The results panel has tabs for "Test Results" and "Custom Input". Below the tabs, a green message states "Compiled successfully. All available test cases passed". Under "Test Results", three cases are listed: "Test case 0", "Test case 1", and "Test case 2" (which is locked). To the right of these cases is a table for "Input (stdin)" with two rows: (1, 5) and (2, 9). Below the input table is a section for "Your Output (stdout)". At the top right of the results panel are buttons for "Run", "Submit Code", and a dropdown menu.

There will be up to 12 test cases to test your program. The last 6 are "hidden", in that you are not shown the answers. Each correct answer in the hidden set is worth one point. You may run the program as many times as you'd like.

When the time is up, the last time you ran your program will be your score. You can submit it before the time is up using the **Submit Test** button. Once you submit the exam, you will no longer have access to it or to your answers; your advisor will have a copy of the problem and test data.

All submitted programs become the property of ACSL and may be used in the materials it produces.

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