



## ASSESSMENT PREP

# Online Technical Assessment

### OVERVIEW

#### Why an assessment?

At Amazon, one of our highest priorities is hiring and developing the best. We work hard to raise the performance bar with every hire. Amazon uses online assessments as one way to help us get to know you better. We design them to measure key characteristics required for success in our Software Engineer roles.

Assessments also allow us to assess applicants consistently and equitably, as every individual is provided with the same experience and information needed to complete the assessment. Completing the assessment is an important first step in the recruiting process.

#### What does an SDE do at Amazon?

They tackle some of the most complex challenges in large-scale computing. They own the software development life cycle, design solutions, and work on coding, testing, implementing, maintaining and iterating solutions. With a strong understanding and applicable knowledge of CS fundamentals, things like algorithms and data structures are innate to them.

### OBJECTIVE

Upon completion, your code assessment will be reviewed by a member of our engineering team.

#### We are interested in your:

- Demonstration of problem solving
- Writing correct code
- Applying patterns/data structures
- Optimizing for algorithmic performance

You can get a feel for the interface and functionality with our demo version: [\*\*ASSESSMENT DEMO\*\*](#)

We understand getting code fully compiled may be challenging. If you feel your solution is mostly correct, but you are facing some final compile issues, don't worry. Attempt to solve both of the challenges to the best of your ability. During the assessment review, our engineers will be looking for the above-mentioned strengths, even if it does not compile.

## INSTRUCTIONS

You will have 90 minutes to complete 2 questions. The time remaining will be shown in the right hand corner of the screen throughout the test. Once the timer starts, it will not stop. Please ensure you have sufficient time to complete the test in one sitting before you begin. If time runs out, your last code entry will be saved.

You will have the option of coding in Java, Python, C++, C, C#, Ruby, Javascript, or Swift. Both questions must be answered to be considered. You may use different coding languages for the two questions; however, switching your language selection for a question that you have already started coding will delete everything you have already coded for that question.

Once you are satisfied with your code and confirm your code compiles, please click the "SUBMIT" button to submit your code test. You will not be able to review or change your code after it is submitted. You have to compile your code at least once before you submit. At the time of submission, make sure there are no changes in your code since you last compiled.

You do not have to complete one question before moving to the next. You are free to move back and forth between questions freely throughout your test and fine tune your code. You can use the 90 minutes on each code question as you like. Be sure to test your code and ensure it runs before you submit your code or before time runs out.

Ensure your solutions consider all edge cases and handle large inputs effectively. Each problem requires you to fully implement one function signature that has been provided in the textbox. Please use the function exactly as provided in the problem. Any deviation in the provided definition may lead to an unsuccessful compilation of your code. The main method for each program has already been defined and implemented. Please do not modify this code. Only include the necessary libraries and fully implement the provided function signature of that problem. Your signature function may call other functions defined by you. It also may use structure definitions and other pre-processing directives like macros.

## HELPFUL LINKS

[CODE ASSESSMENT DEMO](#)

[WWW.CODECHEF.COM](http://WWW.CODECHEF.COM)

[PROJECTEULER.NET](http://PROJECTEULER.NET)

[CODE.GOOGLE.COM](http://CODE.GOOGLE.COM)

[WWW.HACKERRANK.COM](http://WWW.HACKERRANK.COM)

[LEETCODE.COM](http://LEETCODE.COM)

[HIGHSCALABILITY.COM](http://HIGHSCALABILITY.COM)

[MYCODESCHOOL](http://MYCODESCHOOL)

## YOU SHOULD HAVE

**COMPLETED THE ASSESSMENT DEMO**

**90 UNINTERRUPTED MINUTES**

**INTERNET ACCESS**

**LAPTOP**

**CHARGER**

**MAXIMUM 3 BROWSER SESSIONS RUNNING**

## NOTE

We do not penalize use of your own IDE while completing the code challenge; however, our engineers will manually review the assessment including the execution statistics to determine next steps in the recruiting process.

We highly recommend showing as much of your work in the online platform to provide our engineers insight into your problem solving approach.

## LEARN MORE

Dive into our [Leadership Principles](#)

Learn more [about Amazon](#)

Explore [Interviewing at Amazon](#) for FAQs, prep guides and more

**QUESTIONS? REACH OUT TO YOUR RECRUITING POINT OF CONTACT**

AMAZON IS AN EQUAL OPPORTUNITY EMPLOYER

