



## **BRAIN STATION 23**

### **Frequently Asked Questions**

**1. Can I take the assessment on my smartphone?**

Yes, you can take the assessment on a smartphone. However, we recommend using a laptop or desktop browser, as some attachments may appear blurry on smaller screens.

**2. Is a webcam mandatory for the assessment?**

Yes, enabling a webcam on your laptop or desktop, or allowing camera access on your smartphone browser, is mandatory. Failure to do so will result in disqualification.

**3. How long does the assessment take?**

The online MCQ assessment is designed to be completed within 60 minutes.

**4. Can I reschedule my assessment time?**

No, the assessment must be taken at the exact time allocated to you. Unfortunately, we cannot offer flexibility in scheduling.

**5. Can I pause the assessment after starting?**

No, the assessment must be completed in one sitting. Once you start, the timer will begin automatically, and any unfinished tasks will be submitted when the timer reaches 00:00:00.

**6. What happens if there's a power cut or internet disruption?**

You will not be able to re-access the assessment in such cases. To avoid issues, please ensure a stable power supply and reliable internet connection before starting.

**7. Can I edit my answers after submission?**

No, once you click the 'Submit' button, your answers will be finalized. Please review your responses carefully and ensure timely submission.

**8. How will I receive my assessment results?**

Your MCQ assessment results will be sent to you via email within two days of completing the test.

**9. Is this the only step in the recruitment process for becoming a Star Coder at Brain Station 23?**

No, the online assessment is just the first stage. There are four additional steps in the selection process to qualify as a Star Coder.



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### Sample Questions

[These are some sample questions so that you can understand the question patterns and prepare yourself accordingly.]

**1. Which of the following statements is false for dynamic programming?**

- a. Given problem is broken up into smaller sub-problems.
- b. The optimal solutions to the subproblems contribute to the problem's optimal solution.
- c. Can be implemented using a recursive algorithm.
- d. Does not guarantee to find optimal solutions for problems

**2. Which following statement is false about Relational Database Management System?**

- a. Data is an unprocessed fact.
- b. Information is processed data.
- c. A database is a collection of non-related data.
- d. DBMS must include concurrency control.

**3. What will be the output of the following code?**

```
1. #include <stdio.h>
2. int main() {
3.     int sum = 7 + 6 / 3 + 14 * 2;
4.     printf("%d", sum);
5.     return 0;
6. }
```

- a. 37
- b. 16
- c. 17
- d. 33.5

**4. If the area of a rectangular region is equal to the area of a square, then the perimeter of the rectangular must be –**

- a. Half the perimeter of the square
- b. Equal to the perimeter of the square
- c. Equal to twice the perimeter of the square
- d. None of the above



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**5. In the following code snippet, what does the keyword 'this' refer to**

```
class Employee {  
    private String name;  
    public Employee(String name) {  
        this.name = name;  
    }  
}
```

- a. The class variable.
- b. The constructor variable.
- c. The current object of the class.
- d. The class itself.

**6. In the context of the Software Development Life Cycle (SDLC), which model emphasizes the continuous iteration of the development and testing phases throughout the project, accommodating changes in requirements even late in the development process?**

- a. Waterfall Model
- b. V-Model
- c. Spiral Model
- d. Agile Model

**7. Mr. Joy is planning to build a web browser. Now he is analyzing requirements for the navigation system of his web browser, which will preserve the browsing history. What is the appropriate data structure to use for the navigation system?**

- a. Array
- b. Stack
- c. Queue
- d. Linked list