

PRESIDIO:

Selection Rounds (4 in total):

I. ROUND 1: ONLINE ASSESSMENT

- 1 hour 30 mins to 2 hours long.
- It consists of MCQs as well as Coding questions.
- Comprehensive assessment with 6 sections/components.

A. Web Development Task:

Code the given webpage using HTML, CSS and JavaScript.

Eg: Login Page (prev asked Qn)

B. SQL:

2 SQL based coding Qs were asked for the last two years.

C. Coding Snippets:

- Learn coding snippets + Practice find the program output type Qs for C, Java, and Bash languages (maybe Python as well).
- **Playlist for C aptitude:**
https://www.youtube.com/playlist?list=PLhP5RsB7fhE3h5MvxjC2MHPbCjcl_8-e5

D. Technical MCQs:

Note: These MCQs will be different and a little difficult. They will expect you to answer real time questions like actual working developers.

- Use [Sanfoundry](#) for learning technical MCQs (OOPS, DBMS, CN, other CS fundamentals).
- Search for real time interview Qs of given domains like DevOps , Cloud, Data Analytics.

E. Aptitude:

Equal importance for Logical Reasoning and Quants. Qs will mostly be simple only.

Eg. out of 40 Qs, they might ask 7 aptitude questions.

F. Coding Questions:

- Last year, 4 coding questions were asked.
- Qs will be from easy and Medium level.
- **Imp. Note:**
There will be no compiler provided for the codes. You just have to type the code in the given text box.
- Most classical questions from DSA like Google phone pad, find the occurrence of a character , similar kinds of questions can be asked.
- **Resources:** [Striver's Datasheet](#), [neetcode.io](#).

II. ROUND 2: TECH INTERVIEW (1 on 1):

- Around 30 mins to 1 hour interview.
- **5 sections/areas:**
 - Resume → most important. Know your resume inside out and make sure you are thorough with all the programming languages and technologies mentioned in your resume.
 - OOPS concept: [Kunal Kushwaha](#) playlist
 - Pen and Paper Coding Logic will be asked. For coding questions : [Striver's Datasheet](#)
 - SQL
 - Real Time Questions.
- **Previously asked Coding Qs:-**
 1. Input: aaabbc
Output: a3b2c1
 2. Sum an array without a loop in Python
 3. Multiply two elements without using “*”

4. Write an SQL query for integrating it within your backend for login authentication.
5. Reverse a Linked List.

Imp. Note: Give the optimal solutions for all

- **Interview Questions:-**

- a. Domain wise:**

- Do you know ____? (domain will be asked based on resume, like devops, data analytics)
 - Have you done any hands-on / projects? Explain it?
 - **Eg.** If you've mentioned a project in your resume, they'll ask what was your contribution, and you might have to implement one of the features that you worked on.

- b. Resume wise:**

- You have done this Certification, so Do you know ____?
 - They will question you on all the Technologies / Programming Languages mentioned in your resume, so be prepared.
 - How much does it cost for ____?
(They can ask the cost for any particular project or Technology that you have used)
 - Why use this?, and Why not that?
Eg. Why Java over Python? Why SQL / MySQL over NoSQL / MongoDB.
 - Difference between ____ and ____?

- c. Language wise:**

- Memory Allocation for the programming language (Java, Python or C)
 - Learn the Architecture of the programming language.
 - Will it work in this condition / situation?
 - What are the frameworks you have learnt for this language?
 - Why this language over other languages?

- **OOPS Concepts (previously asked Qs) :-**

- What is Singleton class? Where is it used?
- Difference between method Overloading and method Overriding.
- What is encapsulation?
- What is polymorphism?
- Explain access modifiers in Java?
- Define super() keyword?
- Define this(), static, and final keywords?

III. ROUND 3: PROJECT

- 3 hours long round.
- Depending on the role or domain they identify for you, you will be asked to develop either a Frontend project or a Backend project.
- Sample Tasks asked in Prev years:
 - a. **Frontend Tasks:**
 - Build a Movie Ticketing Booking Site
 - Build a Flight Ticketing Booking Site
 - b. **Backend Task:**
 - Build an Application like gpay for money Transaction
 - c. **Cloud based task:**
 - Build the given application using lambda function
 - d. **FullStack based task:**
 - Build a complete hotel management website

IV. ROUND 4: Behaviour Analysis.

- HR interview - expect the usual Behavioural questions.

REFERENCES:

1. codeClubs tamil: <https://youtu.be/slboC5N5Sxs?si=l3x7tsHYoXABz0An>
2. PRAJ TALKIES: https://youtu.be/fboEB_egb40?si=8DAHfd_VcZsWem86