Indus Valley Partners

Round 1: Online Assessment (65 minutes)
The test was divided into 4 sections:
1. SQL (15 questions)
2. OOPs (15 questions)
3. JavaScript (15 questions)
4. C# (20 questions)

Round 2: Technical Round 1 (30 minutes)
Interviewer: Mr Harsh Dixit
The interviewer asked me to introduce myself along with the projects and the following set of questions were asked:
Puzzles-
1. Measure 45 minutes from two identical ropes
2. Identify the false bag of coins from a set of 10 bags

(*If you haven't solved the puzzles before, politely ask for a minute or two to think about it. During that time though, keep interacting with what you have understood so far.*)
OOPs, Conceptual, SQL-
1. Explain basic principles of OOPs.
2. What is static and dynamic polymorphism?
3. What is the difference between abstract classes and interface?
4. Can you create object of an abstract class?
5. What is the difference between primary and foreign key?

(*All the questions were followed by follow up questions based on the terms used in the answer. Answer wisely*)
Programming/ DSA-
1. Count pairs with target sum in an array
2. Check whether the given binary tree is height balanced or not.
3. Reverse a linked list

(*When asked to implement the questions, keep expressing yourselves throughout/most of the times. Discuss the approach you are having in your mind while implementing at the same time. This gives you a hint whether or not you are going in the right direction and time to think sometimes. The interviewer can also provide some hints. Even if you are not able to code it well at that time, your discussion and approach matters. Explain the corner cases well.*)
That was all from interviewer's side, and asked if I have any questions. I asked him if he can provide me any feedback about me.

Round 3: Technical Round 2 (~5 minutes)
Interviewer: Mr. Rahul Gupta
The interview felt like it began and ended at the same time. But what I realised after this round was not everything has to a long discussion, quickness also works.
After formal greetings, the interviewer asked about technical skills (Do not lie to stand out here) and asked the following questions because I mentioned Java as my first preference.
1. Can you explain the differences between Encapsulation and Abstraction.
2. Runtime polymorphism. Show its implementation.

(*If you are not clear with what the interviewer means by implementation, ask before you go ahead with your assumptions. Do not assume anything.*)

Round 4: HR Round (~10 minutes)
HR: Ms Palak Sachdeva
The HR first introduced herself and asked me to introduce myself then followed by these questions-
1. What do you think is the difference between aim and goal?
2. Define yourself in one word.
3. How would you react to a problem? Your first reaction to a situation.
4. Why do you want to join IVP?
5. What do you know about us?
6. Previous interview experience.

When asked if I've any questions, I asked her about joining and career at IVP and feedback about me.
(Key to HR round is be confident enough. Take time to think and articulate your answer.)

Summary:
OA is about time management. Communication skills and interaction helped me in Tech Round 1. Round 2 was about promptness for me. And HR round is about being involved in the discussion, keeping your calm and maintaining confidence.