

UBS - PREPARATION, ONLINE TEST AND INTERVIEW EXPERIENCE

Q1. How did you prepare?

DSA : Topic-wise concepts and theory from GFG and then questions/coding problems from Leetcode and GFG.

OOPS : For C++, from <https://www.javatpoint.com/cpp-tutorial>
For Java, <https://www.javatpoint.com/java-tutorial>

DBMS : Class notes (Abhay sir) and GFG for advanced topics and problem solving.

OS : Concepts from the following Youtube playlist (<https://www.youtube.com/playlist?list=PLxCzCOWd7aiGz9donHRrE9I3Mwn6XdP8p>) and GFG for advanced topics and problem solving.

CN : Basics from https://www.tutorialspoint.com/data_communication_computer_network/index.htm and GFG for advanced topics.

Q2. Tips for preparation?

For Online Tests :

- Prepare BASIC APTITUDE (Mathematical Formulas, Logical Reasoning and Verbal Reasoning) at least. You can practise topicwise questions from <https://www.indiabix.com/aptitude/questions-and-answers/>
- Company-wise coding questions from GFG and Leetcode. (Note : Use the company-wise filter, will help in both the online coding test as well as the interview round.)
- For Technical MCQ questions, keep your core subjects strong and practise some pseudocodes and output questions beforehand.

For Interview Rounds :

- Know your projects very well, prepare your answers around them.
- Be prepared with general HR questions beforehand.
- Keep your core concepts strong and answer confidently.

Q3. Application Process?

- On-campus

- Eligibility Criteria - 70% OR 7 CGPA & above separately in 10th class, in 12th class and in the current course
- Eligible Courses - B.Tech (CS / IT / EC) VII sem
- Test date - 15.09.2021
- Interview date - 17.09.2021

Q4. Rounds and their details?

Number of rounds : 4

1st Round : Online Technical Test

Questions - 1 Coding Question(I got the DP one)
 24 Technical MCQs(DBMS, DSA, Outputs, etc)
 Platform - HackerRank
 Difficulty level - MCQs (Medium), Coding (Difficult)
 Duration - 85 minutes

I had passed all test cases of the coding question and also successfully solved all MCQs. I got shortlisted for the interview rounds.

2nd and 3rd Rounds : Both Technical Interviews

Duration - 50 to 55 minutes (for each round)
 Platform - Skype
 Difficulty Level - Medium

Almost all topics from core subjects were covered in my interviews. I was also asked about my current internship and projects in both the technical rounds.

Below I have mentioned most of the questions that were asked in these two rounds from core subjects :

DBMS:

1. Joins with examples
2. Normalisation and types
3. Transaction and states
4. DML and DDL

MySQL:

1. Differences between queries like Select vs Union, Drop vs Truncate vs Delete, etc
2. Group By and Having
3. Questions on SQL and tables (Write queries)

Misc : MySQL vs NoSQL

Which is better and why - MySQL or PostgreSQL

OOPS (C++):

1. All concepts with examples (abstraction, encapsulation, inheritance, polymorphism : compile time and run time)
2. Class vs Object
3. OOP Vs POP
4. C++ vs Java
5. Maps
6. Pointers

OOPS (Java):

1. Interfaces
2. Inheritance (different from that of C++)
3. Maps, Generics, Autoboxing and Unboxing
4. Advantage of Java over C++

Misc : What is OOPS? Real life examples

DSA BASIC (basic codes included):

1. Searching and sorting techniques and their complexities (best, worst, avg)
2. Differences and advantages (b/w LinkedLists, Stacks, Queues)
3. Real time examples of different Data Structures
4. What is DS and its use?
5. Memory management : Best fit, Worst fit, Next fit etc

Also, various questions on my project as well as basic HR questions.

4th Round : HR Round

Duration - 35 to 40 minutes

Platform - Skype

Difficulty Level - Medium

Some General Questions first :

1. Tell me about yourself (always asked).
2. Explain Project, tech stack used, why you used that tech stack, what was your role in group project, what could you do better, problems faced and how you resolved them.
3. Extra tech that you study apart from academics.
4. Your favourite subject and why and then in depth questions.
5. Why do you want to join UBS?
6. What makes you fit for the job/different from other candidates?
7. What would you do if you got rejected?
8. What do you know about UBS?
9. In which language, do you do your programming and why did you choose that language?
10. Are you comfortable with the location of the company?
11. Do you have any other on-campus offers?
12. Any questions for us?

Then, general conversation around everything that was mentioned in my resume, from hobbies to extra curricular activities.

Note : Please mention ONLY those things/skills that you are 100% confident about.

Also, if you still have some doubts related to my experience mentioned in this document, you can message me on LinkedIn : <https://www.linkedin.com/in/aayushibajpai/>. I will do my best to clear your doubts and answer your queries. Happy coding! All the best.