HR ROUND QUESTIONS

1. HR (Relocation and night shift)
2. Introduction and general questions
3. Family background and location preference
4. Relocation and night shifts
5. Any questions for me?
6. Questions about internships and role
7. Self introduction and family details
8. Strengths and weaknesses
9. Any other company offers
10. Why TCS?
11. Career gap and backlogs
12. Education background and document verification
13. What do you expect from the company and what will you do if we don't provide these?
14. What did you do in the two months after your course?
15. Tell about yourself which is not in your resume
16. How to handle conflicts and manage events
17. Are you interested in a startup?
18. Long-term goal
19. Hobbies and challenges faced
20. Leadership experience
21. If given a testing role, will you do it or wait for a development project?
22. How was your interview experience in TR/MR?
23. What do you see yourself doing in 5 years?
24. Suggestions to learn new technologies like cloud computing
25. Experience working in a team
26. What is your weakness?
27. If you have an idea but your senior is arrogant and not listening to you, what will you do?
28. Will you relocate if needed?
29. Would you work if you are assigned a different technology other than your expertise?
30. How will you complete a new project assigned in 7 days?
31. Ready for night shifts and relocation?
32. If rejected from TCS, what course of action will you take? Will you go for higher studies?
33. Would you be able to work in any shift?
34. Are you ready to relocate?
35. Questions about TCS and its competitors
36. Questions about hobbies and interests
37. What is your dream company?
38. Tell me about your family.
39. Why should we hire you?
40. How do you manage traveling from a long distance?

41. What are your likes and dislikes?
42. Tell me about your final year project.
43. What is YOLO algorithm and its working (project-related)?
44. What do you know in Java?
45. Why should we choose you?
46. What do you expect from the company?
47. What did you learn during your internships?
48. What is your dream company?
49. Are you ready for relocation and night shifts?
50. What motivates you to choose this company?
51. If given a project in a different technology, will you do it?
52. How do you handle conflicts?
53. How do you manage events?
54. Tell me about yourself which is not in your resume.
55. What did you do in the two months after your course?
56. Explain the projects you have done in detail.
57. Why choose TCS?
58. What are your expectations from the company?
59. Why choose IT field when from a different background?
60. What motivates you to choose this company?
61. If rejected from TCS, what course of action will you take? Will you go for higher studies?
62. Ready for night shifts and relocation?
63. Why TCS only?
64. If given a project in a different technology, will you do it?
65. What is your weakness?
66. How do you compete with CS background students?
67. Any current backlogs?
68. Do you have any career gap?
69. Check marksheets of 10th/12th/Degree?
70. Any other company offers do you have?
71. Why should we hire you?
72. Tell about yourself which is not in your resume.
73. Asked to rate my skills based on my knowledge (Java, SQL, C, HTML, CSS).
74. Tell me about your family.
75. Why did you choose to study computer science?
76. What do you expect from the company?
77. Why should we choose you?
78. Tell me about yourself which is not in your resume.
79. How do you manage conflicts and events?
80. How was your interview experience in TR/MR?
81. What do you see yourself doing in 5 years?
82. Suggestions to learn new technologies like cloud computing.
83. What did you do in the two months after your course?
84. Tell me about your family.

85. If given a project in a different technology, will you do it?
86. Why choose TCS?
87. What are your expectations from the company?
88. Why choose IT field when from a different background?
89. What did you do in the two months after your course?
90. Why should we hire you?
91. Ready for night shifts and relocation?
92. Family background.
93. What is your dream company?
94. Why should we choose you?
95. How do you handle conflicts?
96. Ready to work in night shifts and relocate?
97. Tell me about your family.
98. Experience working in a team.
99. How do you manage conflicts and events?
100. Explain the projects you have done in detail.
101. Why choose TCS?
102. Career gap and backlogs?
103. Questions about hobbies and interests.
104. Questions about internships and role.
105. What is your dream company?
106. Experience working in a team.
107. Long-term goal.
108. Tell me about yourself which is not in your resume.
109. If given a project in a different technology, will you do it?
110. How do you handle conflicts?
111. Ready for night shifts and relocation?
112. Family background and location preference.
113. Why TCS?
114. Why choose TCS?
115. What motivates you to choose this company?
116. How was your TR/MR interview experience?
117. What motivates you to choose this company?
118. How do you handle conflicts?
119. Experience working in a team.
120. Why did you choose TCS?
121. Questions about internships and role.
122. What are your likes and dislikes?
123. Why should we hire you?
124. How do you manage traveling from a long distance?
125. Questions about internships and role.
126. Tell me about yourself which is not in your resume.
127. How do you handle conflicts and manage events?
128. Are you interested in a startup?

129. If rejected from TCS, what course of action will you take?
130. Do you have any questions for us?
131. What is your long-term goal?
132. Tell me about yourself.
133. Tell me about your family background.
134. Do you have any current backlogs?
135. Do you have any career gaps?
136. Are you ready to work in any shift?
137. Are you ready for relocation?
138. Are you interested in a startup?
139. Do you have any other company offers?
140. Why should we hire you?
141. What motivates you to choose TCS?
142. What are your strengths and weaknesses?
143. Do you have any questions for me?
144. Tell me about your family.
145. Why did you choose TCS?
146. Tell me about yourself.
147. What are your hobbies and interests?
148. Do you have any other company offers?
149. What motivates you to choose TCS?
150. If given a project in a different technology, will you do it?
151. How do you manage conflicts?
152. What are your strengths and weaknesses?
153. Are you ready to relocate?
154. Are you ready to work in night shifts?
155. Why should we hire you?
156. Why TCS only?
157. What is your dream company?
158. What do you see yourself doing in 5 years?
159. Suggestions to learn new technologies like cloud computing.
160. What did you do in the two months after your course?
161. Tell me about yourself which is not in your resume.
162. Explain the projects you have done in detail.
163. How do you handle conflicts and manage events?
164. Ready to work in night shifts and relocate?
165. How do you manage traveling from a long distance?
166. What are your likes and dislikes?
167. Why did you choose TCS?
168. How do you handle conflicts and manage events?
169. Are you interested in a startup?
170. If given a project in a different technology, will you do it?
171. Why should we hire you?
172. Do you have any questions for us?

173. How do you handle stress and pressure?
174. Describe a time when you had to work with a difficult colleague.
175. What motivates you to work hard?
176. How do you prioritize your tasks?
177. Tell me about a time when you had to meet a tight deadline.
178. How do you handle constructive criticism?
179. What are your long-term career goals?
180. How do you stay updated with the latest industry trends?
181. Can you describe a time when you showed leadership skills?
182. How do you balance work and personal life?
183. What is your approach to teamwork?
184. How do you handle conflicts in the workplace?
185. Describe a situation where you had to adapt to a significant change at work.
186. Why did you choose your field of study?
187. How do you ensure accuracy in your work?
188. What makes you a good fit for this company?
189. How do you handle multiple projects at the same time?
190. Can you give an example of a goal you set and achieved?
191. What would you do if you made a mistake at work?
192. How do you handle tight deadlines?
193. Describe your ideal work environment.
194. What is your management style?
195. How do you handle feedback from your supervisors?
196. How do you approach problem-solving?
197. What are your greatest achievements so far?
198. How do you manage your time effectively?
199. What is the most challenging project you have worked on?
200. How do you deal with ambiguity at work?
201. What skills would you like to improve?
202. How do you stay organized?
203. Describe a time when you had to persuade someone at work.
204. How do you handle repetitive tasks?
205. What is your approach to continuous learning?
206. How do you manage conflicts between team members?
207. What steps do you take to ensure the quality of your work?
208. Describe a time when you went above and beyond at work.
209. How do you handle workplace stress?
210. What do you do to maintain a positive work environment?
211. How do you approach innovation in your work?
212. How do you ensure effective communication in your team?
213. Describe a time when you had to take a risk at work.
214. How do you handle disagreements with your manager?
215. What is your approach to mentoring new employees?
216. How do you handle work-life balance?

217. Describe a time when you had to learn a new skill quickly.
218. What do you do to stay motivated at work?
219. How do you handle failure at work?
220. What are your strategies for building professional relationships?

Managerial (MR) Round Questions

1. Tell me about your final year project (MR)
2. What is YOLO algorithm and its working (Project) (MR)
3. What is data analytics?
4. Why is data analytics used?
5. What is the real-world application of data analytics?
6. Why are AIML and data analytics blooming in the current time?
7. Why TCS?
8. What services does TCS provide?
9. Who is the TCS CEO?
10. What are the competitors of TCS globally and in India?
11. What is the full form of TCS?
12. What is called consultancy?
13. Explain a TCS project.
14. How do you envision yourself five years from now?
15. If you are rejected from TCS, what course of action will you take? Will you go for higher studies?
16. Asked questions about project applications.
17. What is the timeline of your projects?
18. What have you learned from doing these projects?
19. Why IT?
20. What do you expect from the company? (and what will you do if we didn't provide these)
21. Strengths and weaknesses.
22. What have you done in the two months after your course?
23. Why should we hire you?
24. What was the team size in your project?
25. What have you done in your internship?
26. Do you know Maven and Ant?
27. How many of your projects are done honestly by you?
28. What was the team size in your project?
29. How to apply the not null constraint?
30. How will you handle conflicts between your colleague and supervisor?
31. What is your biggest strength?
32. What are your strengths and weaknesses?
33. How do you manage a team of 10-12 people?
34. Have you ever participated in college activities?

35. When you are working with a team of 3 members and those two have to go for an emergency. Do you complete that work by doing theirs?
36. If you have to study a course for joining this company, will you do it?
37. If Python is replaced by another language, what will you do?
38. Why did you choose EC and join an IT company?
39. Where do you see yourself in 5 years?
40. How do you manage conflicts and events?
41. If given a project in a different technology, will you do it?
42. If an attacker performs SQL injection in your database, how will you prevent this?
43. What security measures did you take in your project?
44. What modules did you use in Node.js?
45. Why did you choose HTML? Why not React?
46. What is Multer and why did you use it?
47. Why did you use Node Mailer? Why not another email sending module?
48. Explain project-related questions.
49. If you are given a position not according to your choice, would you still accept the offer?
50. Write a pseudo code for multiple inheritance in Java.
51. Is it possible to have multiple primary keys?
52. Is it possible to have a null value for the primary key?
53. What do you do if there are null values in age columns? Will you take help from others to solve problems?
54. What did you learn during your internship?
55. What challenges did you face and how did you overcome them?
56. Did you ever manage any event?
57. How did you manage the conflicts?
58. What if we give you the project which uses different technologies?
59. Why did you choose Python?
60. Why did you choose to work with these technologies?
61. Why did you choose MySQL and not MongoDB?
62. If some attacker performs SQL injection in your database, how will you prevent this?
63. What security measures did you take?
64. Why should we hire you? How do you stand out from other candidates?
65. Suppose you are given a new project to learn in 7 days. How will you complete that?
66. How will you handle conflict between your colleague and supervisor?
67. If you have an idea but your senior is arrogant and not listening to you, what will you do?
68. Why should we hire you? How do you stand out from other candidates?
69. Suppose you are given a new project to learn in 7 days. How will you complete that?
70. Why did you choose Python?
71. Do you have to study Java for work? How will you study it? In how many months? Through which platform?
72. What is the difference between procedural and object-oriented languages in Java?
73. Why did you choose to study computer science?
74. Are you ready to relocate?
75. Explain the workflow of the entire project.

76. What is the biggest challenge you faced during your project?
77. What did you do in the two months after your course?
78. If you have an idea but your senior is arrogant and not listening to you, what will you do?
79. If you are assigned a different technology other than your expertise, will you work on it?
80. Will you relocate if needed?
81. Will you work if you are assigned a different technology other than your expertise?
82. What was your role in your internships?
83. What have you learned from your internships?
84. What are your expectations from the company?
85. What will you do if we don't provide these expectations?
86. If rejected from TCS, what course of action will you take? Will you go for higher studies?
87. How do you manage and prioritize multiple projects?
88. Can you describe a situation where you had to make a tough decision at work?
89. How do you ensure your team meets deadlines?
90. What strategies do you use to motivate your team?
91. How do you handle underperforming team members?
92. Describe a time when you had to manage a conflict within your team.
93. How do you delegate tasks to your team members?
94. How do you handle pressure from upper management?
95. Can you give an example of a successful project you managed?
96. What is your approach to risk management?
97. How do you handle changes in project scope or requirements?
98. Describe a time when you had to deal with a difficult client.
99. How do you ensure effective communication within your team?
100. How do you manage remote or distributed teams?
101. Can you describe a time when you had to implement a new process or system?
102. How do you measure the success of your team?
103. What do you do to ensure continuous improvement in your team?
104. How do you handle budget constraints on a project?
105. Describe a time when you had to manage a crisis at work.
106. How do you keep your team motivated during challenging times?
107. What is your approach to team building?
108. How do you handle feedback from your team members?
109. Describe a time when you had to lead a team through a significant change.
110. How do you ensure alignment between your team's goals and the company's objectives?
111. What is your approach to mentoring and developing your team members?
112. How do you handle competing priorities from different stakeholders?
113. Describe a time when you had to negotiate with a stakeholder.
114. How do you ensure the quality of your team's work?
115. What is your approach to performance reviews?
116. How do you handle resistance to change from team members?
117. Can you describe a time when you had to make a decision with incomplete information?

118. How do you ensure diversity and inclusion in your team?
119. What is your approach to handling ethical dilemmas at work?
120. How do you manage your own time and productivity?
121. Describe a time when you had to step in and resolve a problem personally.
122. How do you ensure your team stays focused on their goals?
123. What steps do you take to manage stress within your team?
124. How do you foster innovation and creativity in your team?
125. Can you describe a time when you had to handle a high-stakes project?
126. How do you balance short-term and long-term goals in your team?
127. What is your approach to conflict resolution?
128. How do you handle feedback from upper management?
129. Describe a time when you had to make a strategic decision.
130. How do you keep your team engaged and motivated?
131. What is your approach to managing cross-functional teams?
132. How do you handle cultural differences within your team?
133. Describe a time when you had to defend your team's work or decisions.
134. How do you manage expectations from different stakeholders?
135. What is your approach to ensuring compliance and regulatory requirements are met?
136. How do you handle project deliverables that are running behind schedule?

Technical (TR) Round Questions

1. Puzzle questions
2. How to connect an HTML file with your JavaScript file and perform a particular function once the button is triggered or pressed (CODE).
3. Pattern printing
4. Linked list deletion
5. Maximum theory questions on C++
6. Friend function, compile-time polymorphism, runtime polymorphism, virtual function, pure virtual function, function overloading, function overriding.
7. PK+SK+CK+AK (DIFFERENCE) - DBMS
8. Write SQL Query to Concatenate the 2 columns First_Name and Last_Name of table Employee.
9. What is HAVING and GROUP BY
10. Write any query using HAVING and GROUP BY
11. SQL query for changing student name from Parul to Vishal
12. Write the syntax of the update SQL query
13. Outer query + subquery
14. SQL query to print all the employees' salaries in ascending order
15. How many types of joins
16. What is indexing
17. What is normalization
18. Normalization and types (1NF, 2NF, 3NF, BCNF)
19. Difference between RDBMS and DBMS

20. SQL vs NoSQL
21. ACID properties
22. CRUD operations
23. SQL query (min, max, average)
24. SQL query using subquery
25. Write an SQL query for joins
26. Command to clone GitHub code
27. Command to commit code
28. What are constraints?
29. Types of constraints?
30. What is a default constraint?
31. How to apply the not null constraint
32. Write an SQL query using the LIKE operator
33. SQL query questions on joins and order by
34. Different types of keys in SQL
35. What is a candidate key, can it be null?
36. Write an SQL query using subquery
37. SQL query on joins
38. Difference between WHERE and HAVING clauses
39. What is clause?
40. SQL query on print all the employees' salaries in ascending order
41. Indexing
42. SQL query on joins and order by
43. Difference between drop, delete, truncate
44. Will truncate also delete the primary key?
45. What are roles in DBMS?
46. How to assign roles and can we assign role control at the schema level?
47. What is relational algebra in DBMS?
48. How to create a new database in SQL workbench? What is the default table given in the workbench and the password to access it?
49. Write SQL Query to Concatenate the 2 columns First_Name and Last_Name of table Employee.
50. What is HAVING and GROUP BY
51. Write any query using HAVING and GROUP BY
52. SQL query for changing student name from Parul to Vishal
53. Write the syntax of the update SQL query
54. Difference between C and Python
55. Write code to reverse a string in C++
56. Write a code to add two numbers
57. Write a code for bubble sort
58. Other sorting algorithms and explanations
59. Write a code for prime number (most optimized)
60. Write a code for string which contains only alphabets and determine the occurrence of the word which is repeating.

61. Write an example code for inheritance.
62. Write a code to reverse a string.
63. yaml
64. C code for palindrome string
65. How to calculate the length of the string without using strlen()
66. Write a code for sum of 2 numbers, print a table like 5 table
67. Print prime numbers from 100 to 0 in reverse order
68. Fibonacci code
69. Palindrome number code
70. Program to reverse doubly linked list
71. How to insert a node at the end of the linked list
72. Insert node at the beginning
73. How to free the memory of the linked list when a node is deleted in Java
74. What is a constructor?
75. Can we inherit constructors?
76. What is a static keyword?
77. What is an increment operator and how it is denoted?
78. Problem on the increment operator
79. Difference between procedural and object-oriented languages in Java
80. What is garbage collection?
81. Explain abstraction and encapsulation
82. Diff in method overloading and overriding
83. What are access modifiers and types
84. What is a protected modifier?
85. Can a variable declared inside protected be used outside the method?
86. What is normalization and types
87. Deadlock
88. Nested query
89. Write code for leap year
90. Explain the concept of pointers in C.
91. What is the difference between a stack and a queue?
92. How does a binary search algorithm work?
93. What is the time complexity of quicksort?
94. Explain the concept of inheritance in OOP.
95. What is polymorphism in OOP?
96. How does a hash table work?
97. What is the difference between a class and an object?
98. What is the significance of the 'this' pointer in C++?
99. How do you implement a linked list in Python?
100. Explain the concept of recursion with an example.
101. What is the difference between malloc and calloc in C?
102. How do you implement a stack using arrays?
103. What is a virtual function in C++?
104. How does garbage collection work in Java?

105. Explain the MVC architecture.
106. What is the difference between SQL and MySQL?
107. How do you perform a binary search on a sorted array?
108. What is the difference between an abstract class and an interface in Java?
109. How do you create a REST API in Node.js?
110. What is the purpose of the main() function in C?
111. Explain the difference between pass by value and pass by reference.
112. What is a deadlock in operating systems?
113. How do you handle exceptions in Python?
114. What is the difference between GET and POST methods in HTTP?
115. Explain the concept of dynamic binding.
116. How do you perform unit testing in Java?
117. What is the difference between a primary key and a foreign key?
118. How does the bubble sort algorithm work?
119. What is a null pointer in C?
120. Explain the difference between synchronous and asynchronous programming.
121. How do you create a singleton class in Java?
122. What is a segmentation fault?
123. How do you reverse a string in Python?
124. What is a lambda expression in Java?
125. Explain the concept of multithreading.
126. How do you implement a binary tree in C++?
127. What is a memory leak?
128. How do you connect a database to a web application?
129. What is a race condition in programming?
130. Explain the difference between TCP and UDP.
131. How do you create a constructor in C++?
132. What is an API?
133. How do you handle file I/O in C?
134. What is a thread?
135. How do you implement a queue using linked lists?
136. What is a microservice?
137. How do you sort an array in Java?
138. What is a namespace in C++?
139. How do you perform data validation in a web application?
140. What is the difference between a while loop and a for loop?
141. How do you perform database transactions in SQL?
142. What is a mutex?
143. How do you implement polymorphism in C++?
144. What is a RESTful service?
145. How do you create a responsive web design?
146. What is an object-relational mapping (ORM)?
147. How do you handle concurrency in Java?
148. What is a kernel in an operating system?

149. How do you implement a hash map in Python?
150. What is the purpose of the static keyword in C++?
151. How do you create a module in Node.js?
152. What is a semaphore?
153. How do you handle JSON data in JavaScript?
154. What is the difference between a stack overflow and a stack underflow?
155. How do you create a thread in Java?
156. What is a session in web development?
157. How do you perform error handling in C?
158. What is the purpose of the final keyword in Java?
159. How do you implement a circular queue?
160. What is a blockchain?
161. How do you handle exceptions in JavaScript?
162. What is the difference between compile-time and run-time polymorphism?
163. How do you create a class in Python?
164. What is a software design pattern?
165. How do you implement a depth-first search algorithm?
166. What is the difference between public, private, and protected access modifiers?
167. How do you connect to a MySQL database in Python?
168. What is a DDoS attack?
169. How do you perform string manipulation in C++?
170. What is the difference between an interface and a class in C#?
171. How do you create a RESTful API in Django?
172. What is a socket?
173. How do you implement a priority queue?
174. What is a firewall?
175. How do you perform image processing in Python?
176. What is a software framework?
177. How do you implement breadth-first search in a graph?
178. What is a virtual machine?
179. How do you create a responsive navbar in HTML/CSS?
180. What is a load balancer?
181. How do you handle null values in SQL?
182. What is a proxy server?
183. How do you implement pagination in a web application?
184. What is the difference between PUT and PATCH methods in HTTP?
185. How do you create a RESTful service in Flask?
186. What is an operating system?
187. How do you create a dropdown menu in HTML/CSS?
188. What is a cache?
189. How do you implement a merge sort algorithm?
190. What is a DNS server?
191. How do you handle authentication in a web application?
192. What is a compiler?

193. How do you implement a linked list in C++?
194. What is an IP address?
195. How do you create a custom exception in Java?
196. What is a database schema?
197. How do you perform input validation in JavaScript?
198. What is a virtual private network (VPN)?
199. How do you implement a binary search tree?
200. What is the difference between HTTP and HTTPS?
201. How do you create a RESTful API in Express.js?
202. What is a buffer overflow?
203. How do you implement a doubly linked list?
204. What is a subnet mask?
205. How do you handle sessions in PHP?
206. What is a heuristic algorithm?
207. How do you implement a stack in Java?
208. What is a MAC address?
209. How do you create a user authentication system in Django?
210. What is a distributed system?
211. How do you handle form submissions in HTML?
212. What is a relational database?
213. How do you implement a graph data structure?
214. What is a transaction in SQL?
215. How do you handle asynchronous operations in JavaScript?
216. What is a binary tree?
217. How do you create a RESTful API in Spring Boot?
218. What is a buffer in programming?
219. How do you implement a hash table in Java?
220. What is a primary key in SQL?
221. How do you create a responsive grid layout in CSS?
222. What is a software library?
223. How do you perform matrix multiplication in Python?
224. What is a web server?
225. How do you handle file uploads in a web application?
226. What is an algorithm?
227. How do you implement a queue in C++?
228. What is a foreign key in SQL?
229. How do you create a dynamic web page in PHP?
230. What is a heuristic search?
231. How do you implement a priority queue in Python?
232. What is a software lifecycle?
233. How do you perform data analysis in Python?
234. What is a client-server model?
235. How do you create a RESTful API in Ruby on Rails?
236. What is a software development kit (SDK)?

237. How do you handle cross-origin resource sharing (CORS) in a web application?
238. What is a binary search tree?
239. How do you create a RESTful API in Laravel?
240. What is a web application?
241. How do you perform data serialization in Python?
242. What is a domain name system (DNS)?
243. How do you create a RESTful API in ASP.NET?
244. What is a software repository?
245. How do you handle cookies in a web application?
246. What is a spanning tree?
247. How do you implement a linked list in JavaScript?
248. What is a message queue?
249. How do you create a RESTful API in Node.js with Express?
250. What is a content delivery network (CDN)?
251. How do you handle exceptions in a web application?
252. What is a deadlock in a database?
253. How do you implement a binary search tree in C++?
254. What is a web socket?
255. How do you create a RESTful API in Flask with Python?
256. What is a load balancer in networking?
257. How do you handle state management in a web application?
258. What is a kernel in an operating system?
259. How do you create a RESTful API in Django with Python?
260. What is a virtual machine in cloud computing?
261. How do you handle user authentication in a web application?
262. What is a microservice architecture?
263. How do you implement a binary search tree in Python?
264. What is a relational database management system (RDBMS)?
265. How do you create a RESTful API in Go?
266. What is a content management system (CMS)?
267. How do you handle sessions in a web application?
268. What is a graph data structure?
269. How do you implement a linked list in C?
270. What is a software architecture pattern?
271. How do you create a RESTful API in Java with Spring Boot?
272. What is a message broker?
273. How do you handle form validation in a web application?
274. What is a binary search tree (BST)?
275. How do you create a RESTful API in PHP with Laravel?
276. What is a software development process?
277. How do you handle cross-site scripting (XSS) in a web application?
278. What is a hashing algorithm?
279. How do you implement a stack in C?
280. What is a software design principle?

281. How do you create a RESTful API in Kotlin with Ktor?
282. What is a software build tool?
283. How do you handle data encryption in a web application?
284. What is a binary heap?
285. How do you implement a queue in JavaScript?
286. What is a software deployment process?
287. How do you create a RESTful API in Rust with Rocket?
288. What is a software development lifecycle (SDLC)?
289. How do you handle input validation in a web application?
290. Program for bubble sort
291. Differences between merge sort and quick sort
292. What is data structures?
293. Differences between abstraction and interface
294. Differences between HTTP and SMTP
295. Operator overloading
296. What is inline function
297. What is swing
298. What are the emerging technologies
299. What is IOT
300. What is SDLC
301. Write a code for reverse a string in Python
302. Differences between procedural and object-oriented programming in Java
303. Differences between inheritance and polymorphism
304. Write a code for printing the elements in an array and an example code to show the difference between global and local variables
305. Difference between loc and iloc in Python
306. How do you clean data and what procedure to follow
307. Reverse a string without using the swap function
308. Differences between heap and stack
309. Write the syntax of the update SQL query
310. Write an SQL query using subquery
311. Write the syntax of the update SQL query
312. What is YOLO algorithm and its working (Project)
313. Java vs Python
314. What are your likes and dislikes
315. Explain abstraction and encapsulation with example of a bike
316. What is constructor
317. Can we inherit constructor
318. What is static keyword
319. Explain the projects you have done in detail
320. Explain the workflow of the entire project
321. Project-related questions
322. Asked to write file handling with library functions (before they asked whether are you aware)

323. Pointers
324. In C asked to write call by reference and call by value example program
325. What is SQL?
326. Write an SQL query for joins
327. What is normalization? and tell me about 1NF?
328. Different types of Keys in SQL
329. What is candidate key, can it be null?
330. SQL query on joins and order by
331. Differences between linked list and array
332. What is schema
333. What is deadlock
334. Nested query
335. Differences between Truncate and delete
336. Pattern program 2 (triangle and a reverse triangle)
337. What is normalization?
338. What is inline function
339. Write code for leap year
340. What about internships?
341. What was your role in that?
342. Write SQL using subquery
343. What are constraints?
344. Types of constraints?
345. What is a default constraint?
346. Explain the timeline of these projects
347. What is cloud computing?
348. Services provided by TCS
349. TCS full form
350. Competitors of TCS
351. TCS projects and how do you envision yourself five years from now
352. What is your biggest strength?
353. How will you handle conflict between your colleague and supervisor?
354. Write a pseudo code for multiple inheritance in Java
355. Command to clone GitHub code
356. Command to commit code
357. Tell me more about your internship
358. What are your expectations from the company? (and what will you do if we didn't provide these)
359. What have you learned from doing these projects?
360. Explain your project (no cross questions)
361. Asked about my second project
362. Difference between Python and Java
363. Write a code to reverse a string
364. What is polymorphism
365. Types of polymorphism

366. What is SQL?
367. What is DBMS?
368. Types of databases
369. What is stack
370. What is queue
371. What is bubble sort
372. Write a code for prime number (most optimized)
373. Who is your favorite singer (from hobbies)
374. What are Java language features (from certifications)
375. What are access modifiers?
376. Types of access modifiers
377. Difference between drop, delete, Truncate
378. Will truncate also delete the primary key?
379. Write SQL query for changing student name from Parul to Vishal
380. What is clause?
381. Write SQL using subquery
382. Write the syntax of the update SQL query
383. Difference between MySQL and MongoDB
384. What is a microservice?
385. What do you know about DSA?
386. Tell me in detail about bubble sort
387. Why sorting algorithms are used?
388. Explain your project and what are the challenges you faced during the project
389. Solve a Python program
390. Write a MySQL query
391. What are lambda functions in Python? Write a code as an example
392. What are the good things about Linux?
393. Tell me a real-life example where NLP is used.
394. What is full stack development?
395. Write a code to print the star pattern
396. Difference between SQL and NoSQL
397. What are roles in DBMS? How to assign them and can we assign role control at the schema level?
398. What is relational algebra in DBMS?
399. What is a constructor and its types?
400. What is copy constructor? How does it work?
401. Do you know about Unix?
402. What is pipe in Unix?
403. Write code for printing prime numbers from 100 to 0 in reverse order
404. What is procedural or object-oriented language?
405. What is try-catch and finally write the syntax
406. Explain the technologies used in your project
407. Cloud and Azure (had a certification)
408. What is Agile methodology?

409. What is client-server architecture?
410. Explain the emerging technologies.
411. Explain ACID properties.
412. Explain CRUD operations.
413. Explain REST API.
414. Explain JWT token (in detail).
415. What is the difference between authorization and authentication?
416. Difference between SQL and NoSQL
417. Write an SQL query (min, max, average)
418. Explain the Fibonacci code
419. Explain the palindrome number code
420. What is the full form of TCS?
421. What is called consultancy?
422. TCS project
423. Explain the difference between C and C++
424. Explain the difference between C++ and Java
425. Explain the difference between microprocessor and microcontroller
426. What is inheritance?
427. Write an example code for inheritance
428. Explain the difference between inheritance and polymorphism
429. What is an interface?
430. Explain an abstract class
431. Explain the 5-4-3 model
432. What is recursion?
433. Write code on prime number
434. Explain the components of the basic system or computer
435. Write a code to add two numbers
436. Write a code for bubble sort
437. Explain the other sorting algorithms
438. What is IOT?
439. What is Lambda in Python?
440. What is TensorFlow?
441. What is schema?
442. What is SDLC?
443. Write a code to reverse a string in C++
444. What is a virtual computer?
445. What is the difference between a virtual and a normal computer?
446. What are the clouding companies?
447. What is virtual clouding?
448. Explain memory management in Java
449. Explain the difference between Python 3 and Python 2 versions
450. Explain overfitting and underfitting in ML. How to overcome those?
451. Explain Flask.
452. What are the steps involved in your machine learning project?

453. What is feature extraction?
454. How did you clean the outliers and NULL values in data?
455. What is a CSV file?
456. What is a relational algebra in DBMS?
457. Explain the difference between HTTP and SMTP.
458. What is operator overloading?
459. What is an inline function?
460. What is swing?
461. Write a code to reverse a string in Python.
462. Explain the difference between procedural and object-oriented programming in Java.
463. Explain the difference between inheritance and polymorphism.
464. Write a code for printing the elements in an array and an example code to show the difference between global and local variables.
465. Explain the difference between loc and iloc in Python.
466. How do you clean data and what procedure do you follow?
467. Reverse a string without using the swap function.
468. Explain the differences between heap and stack.
469. What are the components of the basic system or computer?
470. Write the syntax of the update SQL query.
471. Write an SQL query using a subquery.
472. Write the syntax of the update SQL query.
473. Explain the YOLO algorithm and its working (Project).
474. Explain the difference between Java and Python.
475. What are your likes and dislikes?
476. Explain abstraction and encapsulation with an example of a bike.
477. Explain what a constructor is.
478. Can we inherit a constructor?
479. What is a static keyword?
480. Explain the projects you have done in detail.
481. Explain the workflow of the entire project.
482. Explain project-related questions.
483. Write file handling with library functions (before they asked whether you are aware).
484. What are pointers?
485. In C, write call by reference and call by value example program.
486. Explain what SQL is.
487. Write an SQL query for joins.
488. Explain what normalization is and tell me about 1NF.
489. Explain the different types of keys in SQL.
490. Explain what a candidate key is and if it can be null.
491. Write an SQL query on joins and order by.
492. Explain the differences between a linked list and an array.
493. Explain what a schema is.
494. Explain what a deadlock is.
495. Explain what a nested query is.

496. Explain the differences between truncate and delete.
497. Write a pattern program 2 (triangle and a reverse triangle).
498. Explain what normalization is.
499. Explain what an inline function is.
500. Write code for a leap year.
501. What about internships?
502. What was your role in that?
503. Write an SQL using a subquery.
504. Explain what constraints are.
505. Explain the types of constraints.
506. Explain what a default constraint is.
507. Explain the timeline of these projects.
508. Explain what cloud computing is.
509. Explain the services provided by TCS.
510. Explain the full form of TCS.
511. Explain the competitors of TCS.
512. Explain the projects TCS has and how you envision yourself five years from now.
513. What is your biggest strength?
514. How will you handle conflict between your colleague and supervisor?
515. Write a pseudo code for multiple inheritance in Java.
516. Command to clone GitHub code.
517. Command to commit code.
518. Tell me more about your internship.
519. What are your expectations from the company? (And what will you do if we didn't provide these)
520. What have you learned from doing these projects?
521. Explain your project (no cross questions).
522. Asked about your second project.
523. Explain the difference between Python and Java.
524. Write a code to reverse a string.
525. Explain what polymorphism is.
526. Explain the types of polymorphism.
527. Explain what SQL is.
528. Explain what DBMS is.
529. Explain the types of databases.
530. Explain what a stack is.
531. Explain what a queue is.
532. Explain what bubble sort is.
533. Write a code for a prime number (most optimized).
534. Who is your favorite singer (from hobbies)?
535. Explain the features of Java language (from certifications).
536. Explain what access modifiers are.
537. Explain the types of access modifiers.
538. Explain the difference between drop, delete, and truncate.

539. Will truncate also delete the primary key?
540. Write an SQL query for changing a student name from Parul to Vishal.
541. Explain what a clause is.
542. Write an SQL using a subquery.
543. Write the syntax of the update SQL query.
544. Explain the difference between MySQL and MongoDB.
545. Explain what a microservice is.
546. What do you know about DSA?
547. Explain in detail what bubble sort is.
548. Explain why sorting algorithms are used.
549. Explain your project and the challenges you faced during the project.
550. Solve a Python program.
551. Write a MySQL query.
552. Explain what lambda functions in Python are and write a code as an example.
553. What are the good things about Linux?
554. Tell me a real-life example where NLP is used.
555. Explain what full stack development is.
556. Write a code to print the star pattern.
557. Explain the difference between SQL and NoSQL.
558. What are roles in DBMS? How to assign them and can we assign role control at the schema level?
559. Explain what relational algebra in DBMS is.
560. Explain what a constructor and its types are.
561. Explain what a copy constructor is and how it works.
562. Do you know about Unix?
563. What is a pipe in Unix?
564. Write code for printing prime numbers from 100 to 0 in reverse order.
565. Is Java a procedural or object-oriented language?
566. Explain what try-catch and finally write the syntax.
567. Explain the technologies used in your project.
568. Explain what cloud and Azure are.
569. Explain the Agile methodology.
570. Explain what client-server architecture is.
571. Explain the emerging technologies.
572. Explain what ACID properties are.
573. Explain what CRUD operations are.
574. Explain what REST API is.
575. Explain what a JWT token is (in detail).
576. Explain the difference between authorization and authentication.
577. Explain the difference between SQL and NoSQL.
578. Write an SQL query (min, max, average).
579. Explain the Fibonacci code.
580. Explain the palindrome number code.
581. Explain the full form of TCS.

582. Explain what consultancy is.
583. Explain a TCS project.
584. Explain the difference between C and C++.
585. Explain the difference between C++ and Java.
586. Explain the difference between a microprocessor and a microcontroller.
587. Explain what inheritance is.
588. Write an example code for inheritance.
589. Explain the difference between inheritance and polymorphism.
590. Explain what an interface is.
591. Explain what an abstract class is.
592. Explain the 5-4-3 model.
593. Explain what recursion is.
594. Write code on a prime number.
595. Explain the components of the basic system or computer.
596. Write a code to add two numbers.
597. Write a code for bubble sort.
598. Explain the other sorting algorithms.
599. Explain what IOT is.
600. Explain what Lambda in Python is.
601. Explain what TensorFlow is.
602. Explain what a schema is.
603. Explain what SDLC is.
604. Write a code to reverse a string in C++.
605. Explain what a virtual computer is.
606. Explain the difference between a virtual and a normal computer.
607. Explain the clouding companies.
608. Explain what virtual clouding is.
609. Explain memory management in Java.
610. Explain the difference between Python 3 and Python 2 versions.
611. Explain overfitting and underfitting in ML and how to overcome those.
612. Explain what Flask is.
613. Explain the steps involved in your machine learning project.
614. Explain what feature extraction is.
615. How did you clean the outliers and NULL values in data?
616. Explain what a CSV file is.
617. Explain what relational algebra in DBMS is.
618. Explain the difference between HTTP and SMTP.
619. Explain what operator overloading is.
620. Explain what an inline function is.
621. Explain what swing is.
622. Write a code to reverse a string in Python.
623. Explain the difference between procedural and object-oriented programming in Java.
624. Explain the difference between inheritance and polymorphism.

625. Write a code for printing the elements in an array and an example code to show the difference between global and local variables.
626. Explain the difference between loc and iloc in Python.
627. How do you clean data and what procedure do you follow?
628. Reverse a string without using the swap function.
629. Explain the differences between heap and stack.
630. Write code for the star pattern:

```
    *
  * * *
```