**Tek System Previous Year Process & Content**

Round-1:- Online Test- It Consists of Quant, Logical, English, Data Interpretation, Coding Questions and 2 question about Company and its profile.

**Coding Questions/Topics:-**

* Magic Sticks
* Sequence Games
* To find minimum no of insertions for a palindrome.
* To find second largest element in the array.
* Make square out of the elements of array.
* To Check for Palindrome
* Pattern based

**GD cum Debate Topics:-**

* Is Uniform to be made Compulsory in Technical Sector?
* Smart Work vs. Hard Work.
* Item songs in movies should be banned or not?
* Is Smart work essential to succeed in life?
* Love Marriage vs. Arrange Marriage.
* Goods and services Tax.
* Which is better: Make in India or Made in India.
* Abstract Topics.

**Interview Questions:-**

* Questions related to hobbies, Projects, Interpersonal Skills mentioned in resume.
* Questions related to concepts of Object oriented programming and Computer Networks, Data Structure.
* Questions related to RDBMS.
* Related to Anagrams.
* In a given set of numbers develop an algo. to find the mode(most frequently occurring element)
* Basic SQL Queries.
* Define Polymorphism.
* Question related to Constructors.
* C program to find frequency of words in a string.
* Questions related to Linked List.
* Questions based on Triggers.
* Define Abstraction.
* Define Encapsulation.
* Questions based on Cloud Computing & C++.
* What is Cloud?
* Various Cloud Platforms.
* Difference between C & C++.
* Write the most difficult snippet of the code of your project.
* How many technologies have you worked on?
* Draw ER diagram of a project of yours.
* What are joins? Its types?
* Are you interested in higher studies?
* Program to count number of occurrence of 1 between any two numbers a and b (inclusive).
* Puzzle based on divide and conquer.(Binary search).
* Program to reverse a string. I solved by three methods – Using String Builder in java, using stack and using array.
* Inheritance in C++
* Algorithm based questions.
* Introduce Yourself.
* Which programming language are you comfortable with?
* Why Tek System?
* About Achievements.
* Convince me to hire you.
* What are your areas of interest?
* Why should we hire you?
* Where do you see yourself after 3 years?
* Who motivates you?
* How did your teachers react to the project you have made?
* Mention one thing that is unique about you.
* About Family background.
* Are you comfortable to relocate?
* **Puzzle**- There is one bike and there are total three tyres (one extra). Each tyre can travel a maximum distance of 5 km. How much maximum distance can the bike travel?"
* **Puzzle**- Suppose you have 15 rupees and for these, you can buy 15 chocolates. For every 3 wrappers, you get another chocolate. So how many chocolates can you eat in total?