

# Coeus Solution Interview:

This was interactive interview. There were 4 interviewers and I write complete code on white board in front of them. Questions involve pure logic and coding questions.

## Interview #1:

- 1) Name all sorting algorithms, implement any one algorithm on white board. When done, change logic of algorithm so that if there are 0's in array then they must be at the end of array at the end of algorithm and remaining array must be sorted.
- 2) Write a recursive algorithm function that takes an integer and returns its binary.
- 3) There is an Alphabet Grid like 2D matrix. You have to find longest unique string from that grid. String may be in horizontal , vertical or diagonal.
- 4) Design a complete DB(ERD) of Restaurant Order System. (first identify Entities, then make relations and attributes). After that they ask queries from your design DB's. Queries involves group functions, Group by clause etc.

## Interview #2:

- 1) Design DB of Library Management System. ERD and queries.
- 2) Print a tree node values level by level. Each level node values must print on separate line.