

PROTOTECH SOLUTIONS

Akash Sunil Wakchaure

1ST round(Aptitude and technical)

2ND round(Coding)

3RD round (Technical Interview)

- 1.Tell me about yourself
- 2.CDAC Project
- 3.4 Pillars of OOPs and where do you use in your project?
- 4.Overloading and Overriding questions based on examples given by interviewer.
- 5.Exception and Multithreading questions based on examples given by interviewer.
- 6.Collection(Most important Hashmap, hashtable, cursors, and problems on arraylist).
- 7.Database Queries.
- 8.logic for Stack implementation using Queue and Queue using stack.
- 9.Basic Geometry question(As company working on 3D structures)

4TH round (Technical Interview)

- 1.Tell me about yourself
- 2.CDAC Project
- 3.Abstraction and Interface questions based on examples given by the interviewer.
- 4.Reverse First letter and last letter of each word from a given string.
- 5.Find the middle element of the linked list using single loop(SLOW and FAST POINTER logic)
- 6.Difference between Equi join, natural join.
- 7.Logical problems
 - a. Triangle is given with the co-ordinates and point P is given with the coordinate. find that the point p is inside the triangle or not
solution :- Triangle has three points A,B,C and draw a line from each point to P, so that it will create three sub triangles.
From the coordinate of each point find the distance between each point(you will get the sides of a triangle). Calculate the area of the sub triangle.
If the sum of the areas of the sub triangle is equal to the area of the triangle ABC then point P is inside the triangle else it is outside the triangle.
 - b. Suppose you have 90 coconut in 3 sacks, each sack contains max 30 coconut and you have to transport it from point a to b. From point A to B there are 30 checkpost.
On each checkpost you have to give coconut according to the number of sacks.
After point B how many coconut you can save.
solution:- for first 10 checkpost give the coconut from only 1 sack(after 10 checkpost 2 sacks will be there so you have to give only 2 coconut from next checkpost and so on)