**Quinbay**

**Round 1:**

MCQ based on java and aptitude nearly 50 MCQs

**Round 2: (Technical Interview)**2 puzzles,2 programming questions and asked about projects.

* Questions from Resume
  + about Projects ,
  + Software testing ,
  + Data Structures ,
  + Java  and a programming question ( How to declare arrays in java , Remove duplicates in an array ) are asked .

**PUZZLES:**1) 12 people are struck in an island in that 11 are of equal weight and 1 person is of different weight. There is boat and that boat carries people with equal weight only. There is seesaw in that island. We need to find the minimum number of measurements to find the odd one of different weight.

2) 4 people struck in an island, there is boat that can carry a maximum of 2 members at a time, also the boat is to be driven by those people. They are of different ages so it takes different time for each people to reach the land. first person takes 1hour to reach the land second person takes 2hours, third person takes 5hours and fourth person takes 7 hours. Find the minimum time taken to reach the land by all the four people.

3) Sand Clock puzzle

4) Horse and lane puzzle ,

5) weighing machine puzzle

**PROGRAMS:**  
1) Reversing the String:;  
 I/P: I am Raju  
 O/P:Raju am I  
2) Given a integer matrix that contains only 0's and 1's.Write a java program to find the index of first 1.  
 I/P: 0 0 0 0  
 0 0 0 1  
 1 1 1 1  
 O/P:[1--3]  
  
Discussed more on projects like what is the reason to initiate this project, problems faced on other similar projects etc..

**Round 3: (Technical HR)**In this round there were 2 programs and 2 puzzles and more on technical stack used in the projects.

**PUZZLES:**1) Camel and banana puzzle  
A person has 3000 bananas and a camel. The person wants to transport the maximum number of bananas to a destination which is 1000 KMs away, using only the camel as a mode of transportation. The camel cannot carry more than 1000 bananas at a time and eats a banana every km it travels. What is the maximum number of bananas that can be transferred to the destination using only camel?

2) There are 3 boxes, each box has 100 tablets and weighs 100mg per tablet. You are given weighing machine. among 3 boxes every tablet in only one box is defective which weighs 98mg per tablet. Find the defective box  
  
3) A peculiar number that gives the same value when those digits are added and multiplied by 3.  
NO SHORTCUT METHOD they expects for the perfect logic.  
i.e 10x+y = 3(x+y) to solve in this method...  
  
  
**PROGRAMS:**1) Reversing a number  
i/p: 12345  
o/p: 54321  
2) Find duplicate characters in a string.  
i/p:HelloWorld  
o/p:lo

**PROJECTS:**Asked more technical questions on projects and future project ideas and other known technical stack which are not implemented in projects and Why didn't you implemented those on projects. Questions like these are asked.  
SQL and NoSQL difference and few concepts on DBMS.