This document contains interview experience of BITS Pilani students for Walmart Labs India. We hope people who haven't been interviewed till now will benefit from this. Others who want to contribute can also add their experiences in the same.

Interview Experience: 1
Amartya Vats (BITS Pilani Hyderabad Campus)

Was supposed to code on https://codeshare.io/

Q1. Reverse a given linked list. (Code)
Link to Solution: https://www.geeksforgeeks.org/reverse-a-linked-list/

Q2. Make a stack using a linked list with all the stack operations such as push, pop, empty. (Code)
Link to Solution: https://www.geeksforgeeks.org/implement-a-stack-using-singly-linked-list/

Q3. Print the top View of a tree. (Code)
Link to Solution: https://www.geeksforgeeks.org/print-nodes-top-view-binary-tree/

Q 4. Check whether the given tree is balanced or not. (Logic)
Link to Solution: https://www.geeksforgeeks.org/print-nodes-top-view-binary-tree/

Q5. Given n non-negative integers representing an elevation map where the width of each bar is 1, compute how much water it is able to trap after raining. (Code)
Link to Solution: https://www.geeksforgeeks.org/trapping-rain-water/

System Design : Design a data structure for 3d rubix cube and write all the operations and data structures that you'll use (Logic)

Puzzles: 2 puzzles were asked
Link to the puzzles:
1. https://www.geeksforgeeks.org/puzzle-9-find-the-fastest-3-horses/
2. http://www.crazyforcode.com/ant-triangle-problem/

PS: Video and Screen Share both were on. Interview stretched for 1 hr 10 mins (Expected Time: 45 mins)

Interview Experience: 2
Dhruvil Shah (BITS Pilani Hyderabad Campus)

It was close to 40 mins
Mainly focused on my work and questions related to it
Last few minutes I was given a design question to implement a search function and he asked what all data structures do you think we can use .
Complexity comparison between Data structures.
More focus was on Trie data structure, and how can it be modified if we add extra functionality.

Interview Experience: 3

Was fine ig, manager told me to prepare DSA, but I was only asked one DSA question about quicksort and
It was mainly focused on the things I've learnt in the internship till now.
Basically he was like 'explain ab tak Kya kiya and kya seekha'

Interview Experience: 4

I was asked basic dsa and questions related to work
very less in the resume side

Interview Experience: 5

So my interview started with introduction, then questions related to my work ,
then some development question and then one dsa question:- bottom order traversal of tree.

Interview Experience: 6

Describe the work you've done so far.

DSA
Q1. Given an array of integers from 2-9 where each number corresponds to 3-4 letters(like on the old Nokia
phones) print all possible strings you can form using those numbers. 23 can be ad,ae,af,bd,be,bf...
Q2. Diagonal view of binary tree.
Q3. Remove loop from linked list
Was asked to code everything from input on ideone

Interview Experience: 7

Lot of grilling about project
Lots of grilling about heaps. Ekkdum fundamentals tak

Interview Experience: 8

Asked me binary search, a puzzle, linked list with a loop, zigzag traversal of a bt
Didn't let me complete the pseudocode tho
Burning ropes to count time

Interview Experience: 9

Project be basic question
2 questions on recursion/dp
In one of them I just had to explain the solution given
Word break problem(iska solution was given,just had to explain that)
Regular expression matching

Interview Experience: 10

I1
1. Question based on level order traversal.
2. Question based on finding string subsequence.

I2
1. Question based on my current work/project.
2. Level order traversal using stack.
3. Deleting a node in the linked list.
4. Deleting the node when a pointer to node is available but head pointer is not.

Interview Experience: 11
Swapnil Tagwale (BITS PILANI Hyderabad)

1. Grilled me in Java and asked for differences between java and c++ based on various concepts.
2. 3sum and 2sum question.
3. Simple array based question about finding sum.

Interview Experience: 12

DSA: only 1 question asked - given a binary array of 0 and 1, push all 0 to front of the array. There were multiple subparts like calculate minimum swaps required and all
Java basics: asked about polymorphism (static + dynamic) and function overloading output questions

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Interview Experience: 13
Name: L Srihari
College: BITS Pilani, Hyderabad campus

1) Basic introduction and about project
2) Check whether a string is palindrome, ignore all characters other than alpha numeric.
3) Check whether a linked list is palindrome (O(n) time and O(1) space expected)

Interview Experience: 14
Name: Shreyam Kumar
College: BITS Pilani, Hyderabad Campus

Both interviewers focussed mostly on work I had done
Emphasis was on what I learnt, not so much on what I did

No DSA questions but I was asked about Hadoop, Map Reduce, questions on Java fundamentals, and one question on the Diamond problem as well

Was asked to write a code to convert date but I was supposed to use the Date utility instead of simply coding it
That's about it. No DSA as such for me atleast. Even the Date utility thing was work focussed
So know your stack even if you might not have touched some portions in it

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Interview Experience: 15

No major DSA questions, a few about Linked List, but I wasn't asked to code anything. Was asked about React, Node, and mostly based on my Resume. Questions about past projects and on the tech stacks I've worked on in previous projects as well.

Interview Experience: 16
Sanjeev Singla (BITS Pilani, Pilani Campus)
Interview Format : Audio + Screen Share
Interview Time - 90 Minutes (was supposed to be 45 minutes)
Basic Introduction
Basic question about the project (asked some DevOps related questions as well)
Vanilla JavaScript based questions -> scope of let , const , var, hoisting , closures, passing functions as arguments , scope chaining (all with predict output type questions on an online text editor)
React -> create basic form and submit button to add elements to list. Added elements should be displayed on top always.
(Minimal code, mostly discussion on which data structures to use, why hooks and not componentDidUpdate etc.)
NO DSA, DBMS, or any other course related questions.

Interview Experience: 17
Smit Shah (BITS Pilani, Hyderabad Campus)
Name of interviewer : Arjun Balasubramanian
codeshare.io used for screen sharing + Zoom Video
Interview time : 1 hour (was supposed to be 45 minutes)
- *Only Logic* : One DSA question.Find all non repeating numbers in array.
  Follow up: What if there is only one non repeating number?How would you change your approach?
- Taking XOR of the array was the solution. Follow up : What is the disadvantage of taking XOR?
- Fundamentals of OOP. Static variables in Java.
- Closure in JavaScript
- Life cycle of a component in React

- Props vs State in React.
- Learnings at Walmart
- One simple puzzle - A to B distance : d km.Train moves from A to B at speed x kmph.Bird moves from A to B at y kmph.Find total distance travelled by bird when train reaches B.
- SQL Joins.Foreign keys.

Interview Experience: 18

questions on the current project and technologies used. (lot many questions on deep understanding),
Questions on Java fundamentals,
2 coding questions- 2sum and one on removing duplicates.

Interview Experience: 19

A bunch of questions on the architecture of our current project, database questions.
Hardcore javascript grilling, hoisting, closure, binding etc
Asked for a full explanation of what happens behind the hood related to the front end
A little bit on react

Interview Experience: 20
(Aman Garg - BITS Pilani, Pilani Campus)

Interview 1: (by: Amith Dk)
  -Questions based on tech stack I worked with (even if its remotely related to my work)
  -Questions on the projects mentioned in my resume (detailed, and how to do the same project using the tech stack
I used at walmart)
  -Diamond problem in java and C++
  -Check if Linked List is palindrome (logic)
  -Check if a tree is BST (logic)

Interview 2: (by: Shatabdi Maheshwari)
   -Find minimum flips required to convert a binary array to all one. (Code)
   -Find minimum element in a rotated array (code)

Interview Experience: 21
Aniket Gaikwad (BITS Pilani, Pilani campus)

1. Asked about my project, asked to describe the methods used.Also one question on Gaussian distributions
2. How do you generate random numbers by coin tosses?
Inorder traversal of a tree.
Number of paths from root to leaf nodes of a tree

Interview Experience: 22
Anshul Sood (BITS-Pilani, Goa Campus)

Each interview was 45min long
1st (by non team member)
I was asked in detail about my project. Was also asked questions about the tech stack, why am I using it and not the alternative etc. In my case I am using Spring Boot, Hibernate and SQL databases. So I was asked about dependency injection, how spring manages it, using Hibernate vs jdbc, access modifiers in java, schema design best practices etc.

2nd (by team member)
Q1. Given an array of integers, find the product of the remaining array elements for each index. (Can have 0s in the array)

Q2.
N number of persons in a social network.
M number of relations of the form A,B meaning "A follows B".
Find the celebrity in the network(if exists).
A celebrity is the one:
- Who follows no one
- Everyone else follows him

Had to explain the logic and then write code assuming input is given.

Interview Experience: 23
Name: Rishabh Jain
College: BITS Pilani, Pilani Campus

1st Interview:
What is the project about and share the screen and run whatever you've done. Basic questions in OS, DBMS, CompNet, OOP.
Coding- lexicographical rank of a string among all its permutations

2nd Interview:
Share screen and show me what you got, what you've done in code based on which he asked why you've used this and not this in this line?
Asked things related to Java.
Coding- Island DFS problem (Java mai code)

Interview Experience 24

Q1:

Given two sorted arrays, find kth largest element among all the elements

(Optimise it over O(m+n) running time, i.e, without merging the arrays)

Q2:

Given a string of numbers, find out every possible valid ip address that can be formed using the string