



AVA-CONNECTS

Branch Orientation View
CSE & ISE





COMPANIES FOR TODAY

ZSCALER

HASHEDIN

JPMC

COMVIVA

CISCO

CIMPRESS

SHELL

ORACLE

TARGET



Zscaler is a cloud-based information security platform delivered through more than 100 global data centres.

Zscaler is the only leader in SWG gartner magic quadrant 2020.Zscaler processes the Internet traffic from locations such as branch offices or factories, roaming devices and mobile devices is routed through Zscaler points of presence before going on to the public Internet.



JOB CRITERIA

Aggregate CGPA
above 60%

Positions Offered

Developer Engineer (C/Java)
DevOps Engineer
DevTest Engineer



SKILLS REQUIRED

Profile : Dev Engineer (C / Java)

- C / Java
- DBMS (SQL , Postgres)
- Algos & DS
- Networking Basics
- Java API / Spring boot
- Socket Programming
- Sound knowledge of FreeBSD or any Unix systems internals
- Verbal and communication skills

Profile : DevOps Engineer

- C / Python / Java
- Algos & DS
- Shell scripting
- Sound knowledge of FreeBSD or any Unix systems internals
- Automation - Jenkins / Terraform , Ansible
- Networking Basics
- Knowledge of Public Clouds
- Verbal and communication skills

Profile : DevTest Engineers

- Basics of C / Java
- Python / Perl
- Basics of Networking / Protocols
- Automation skills
- Restful APIs
- Basics of testing -> worked with pytest , pyats
- Unix and OS concepts

Topics to focus on:

● DBMS, Acid Properties

● DSA
Hashing
Bit Manipulation

● Basics of C

● Macros

● Computer Networks

● SQL Queries

Study Materials to refer

- DS - Bhaskar Sir (CSE)
 - Narasimha Karumachi
- Geeks for Geeks
- Online Coding Platforms - Hackerank , Codechef

RECRUITMENT PROCESS

Online Test

Platform used - HACKERRANK

Time limit - 90 mins

Coding topics to focus on:

Bit manipulation

Hashing

Graph traversal algorithms

For Dev Engineers:

No. of coding questions - 4

Languages allowed : C

For DevTest Engineers:

No of coding questions - 3

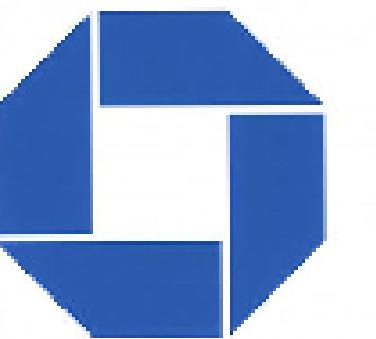
No. of technical mcq - 15

Languages allowed : C/Python/Java

PACKAGES OFFERED - 2020

DEVELOPER - 20 CTC

DEVTEST - 17.5 CTC



J.P.Morgan

J.P.Morgan Chase & Co. is an American investment bank and financial services holding company headquartered in New York City. JPMorgan Chase is incorporated in Delaware. As a "Bulge Bracket" bank, it is a major provider of various investment banking and financial services.



JOB CRITERIA

For B.E. & MCA

Branch - CSE, ISE, ECE, EEE

Eligibility - 7+ CGPA

No Current Backlogs

Maximum 1 year Edu. gap

Packages and Position Offered

Software Engineer (Analyst) Role
(Internship+Full time)

Stipend-50k per month

CTC- 14LPA (12LPA fixed)



SKILLS REQUIRED

- Communicate effectively with teammates and mentors.
 - Knowledge of HTML, CSS, Bootstrap + any app-related knowledge is a plus.
 - Have knowledge of SQL and XAMP servers
 - Basic knowledge of git push, git pull, git merge, and ability to solve the merge conflict



Topics to focus on:



- DSA
- DBMS
- Linux Commands

RECRUITMENT PROCESS

Round 1: Coding Round

There were 2 questions based on the easy to medium difficulty level.

Question 1: Stock Buy Sell to Maximize Profit Reference

Question 2: Check whether two strings are equivalent or not according to the given

Round 2: Hire Vue Video Interview

There were 2 situation-based questions and 30 seconds to think and answers the question with video length not more than 2 min.

Question 1: Describe a situation where you felt you didn't have proper communication and had to solve it?

Question 2: What are your career goals for your future?

Round 3:

Hackathon A - 4 day hackathon in which you will be divided into a team of 6 and 2 mentors will be assigned to each team.



CISCO

TM

Cisco Systems, Inc. is an American multinational technology conglomerate headquartered in San Jose, California, in the center of Silicon Valley. Cisco develops, manufactures and sells networking hardware, software, telecommunications equipment and other high-technology services and products.



JOB CRITERIA

For B.E. & M.Tech

Branch - CSE, ISE, ECE

Eligibility - 7+ CGPA

No Current Backlogs

Packages and Position Offered

Technical Consultant Engineer /
Consultant Engineer
CTC- 14.5 LPA

Internship Stipend: 60,000 per month



SKILLS REQUIRED

- Communication and interpersonal skills
- Good aptitude and reasoning skills
- Strong analytical skills
- Problem solving skills
- Passionate about Networking, IT and Programming
- DSA

Topics to focus on:



- DSA
- Networks & Operating Sys.
- Computer security

RECRUITMENT PROCESS

Round 1: Online Test

- Multiple Choice Questions comprising of Data Structures and Algorithms, Computer Fundamentals, Basic Aptitude and Computer Networks and Basic Routing Switching.
- Coding Questions
- Total time allotted for the test: 60 minutes
- Test Platform: HackerRank
- Both the sections were compulsory
- Programming languages allowed: C, C++, Java, Python

Round 2: Technical Interview (WebEx)

- Brief introduction about yourself and your interests and hobbies.
- Questions based on the topics: Computer Networks, DBMS, OS
- Questions based on Resume and Projects.

Round 3: Managerial Interview (WebEx)

- Brief Introduction about yourself and the role you're interviewing for
- Problem Solving questions
- Questions based on Resume and Projects.

Round 4: HR Interview (WebEx)

- Brief introduction about yourself
- Strengths, weaknesses, achievements
- Why do you want to join Cisco?
- Discussion on relocation, odd job timings (day / night shifts), further studies after college.
- Questions about the company, the revenue, the partners, the competitors, the products that the company delivers etc.



Shell Oil Company is the United States-based wholly owned subsidiary of Royal Dutch Shell, a transnational corporation "oil major" of Anglo-Dutch origins, which is amongst the largest oil companies in the world. Approximately 80,000 Shell employees are based in the U.S. Its U.S. headquarters are in Houston, Texas.



JOB CRITERIA

Branch - CSE, ISE

Eligibility - 8+ CGPA

No Current Backlogs

Packages and Position Offered

Software Engineer- 11,30,951/-



SKILLS REQUIRED

- Proficient in SQL programming
- Proven problem-solving, Logical reasoning and Analytical skills
- Strong oral communication skills with the ability to convey thoughts with clarity.
- Flexible and adaptable with regards to learning and understanding new technologies
- Strong knowledge of Database concepts – Relational & Dimension, Data warehousing and Data marts

Topics to focus on:

- Problem Solving

- DBMS

- SQL

- Operating system

- Data Structures

RECRUITMENT PROCESS

Online Test

There are 3 coding questions

INTERVIEW + HR: 60 to 75 mins

- Introduce yourself
- Scenario-based questions and
- Detailed discussion on projects.
- Questions related to OOPS, DBMS and DSA
- Questions from Software Engineering like waterfall model.
- Some common coding questions.



TARGET

Target (Exclusively For Girls)

Minneapolis-based Target Corporation (NYSE: TGT) serves guests at 1,804 stores in the United States and at Target.com. As an extension of our headquarters, Target India operates as a fully integrated part of our global team. More than 2600 team members are engaged in work that supports Target's global strategy across business areas such as technology, marketing, human resources, finance, merchandising, supply chain, property development, analytics and reporting.



JOB CRITERIA

For B.E. & M.Tech

Branch - CS / IS/TC/ ECE / EEE & EIE

Eligibility - > 7.25 CGPA

No Current Backlogs

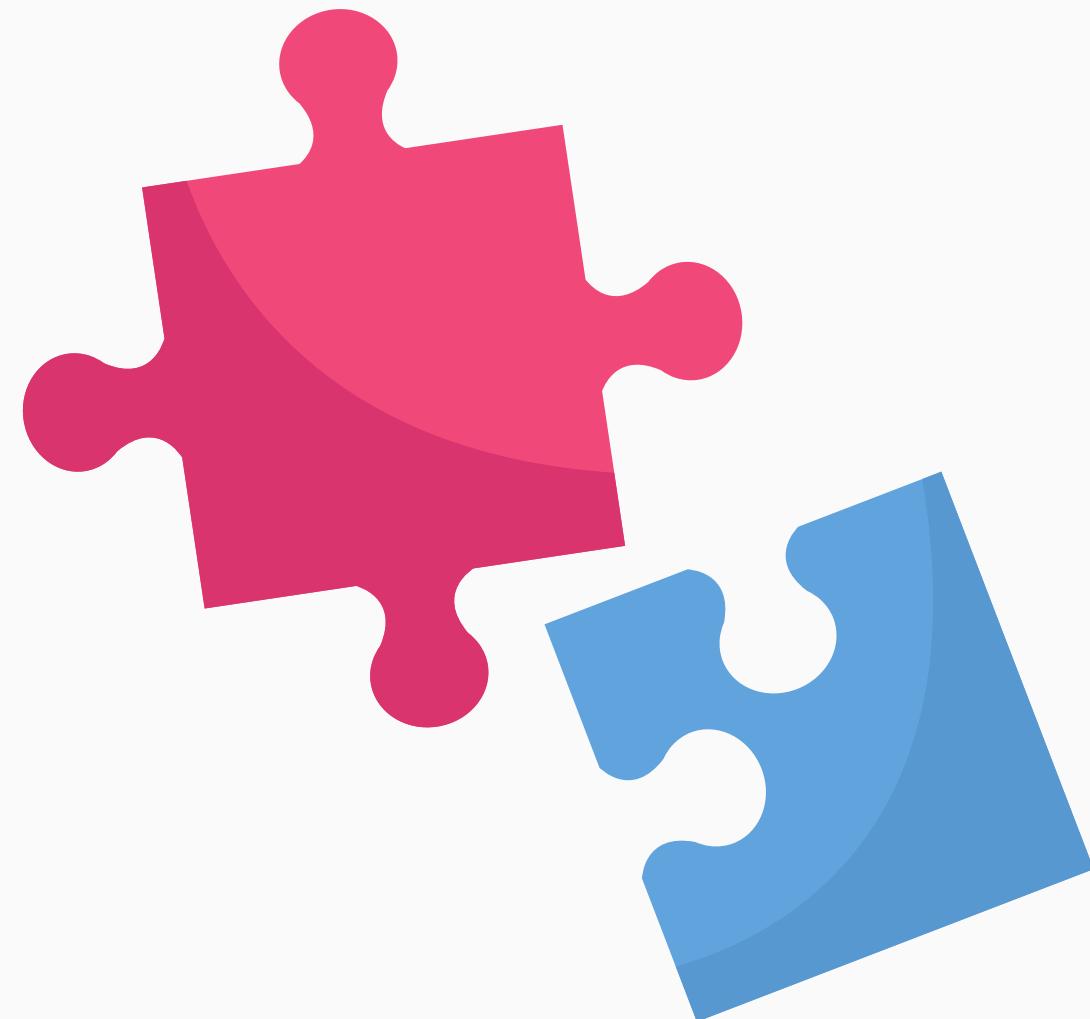
Packages and Position Offered

Software Engineer
CTC- 11.735 LPA



SKILLS REQUIRED

- Engineering degree CS, ISE,
Circuit Branch
- Passion for learning new
tools & technologies
- Team player mindset with a
“can-do” attitude
- Ability to follow through
with ideas and deliver on
commitments



Topics to focus on:



- DS & A
- OOPS & OS
- Computer Networks,
C, CPP & JAVA

RECRUITMENT PROCESS

Online Test

- Test platform: Aspiring minds
- Aptitude - Logical Reasoning, Problem-solving, Quant, Technical MCQs (CS core subject questions [mainly on OOP, OS, Networks])
- Two coding problems [problems on Array and string manipulation, DP]

Two Technical Interviews

- Sorting algorithms and their time complexities, Projects, DSA, Computer Fundamentals, DBMS
- Count the occurrences of duplicates in a string
- Differences between malloc() and calloc() functions.
- OS concepts like paging, semaphore and deadlock.
- Types of Normalization in DBMS.
- Unix commands and its uses.
- Trees, heaps and its operations.
- To perform insertion and deletion in Linked List
- Queries in DBMS and the uses of clauses.

HR Round

- Introduce yourself.
- Where do you see yourself after five years?
- Are you a team player?
- Do you consider yourself successful?
- Why do you want to join target?

QUIZ

01

THE RULES OF QUIZ

- Login to the website kahoot.it
- A link will be shared along with the pin in the chat box. Enter the pin once the website prompts for the same.
- Nickname to be entered has to be in the format of USN. Any other name will not be entertained and the score will not be considered.
- The questions will be shared on the screen in the meeting. Look for the question on the meeting screen and mark your answer on the kahoot account.
- The scores of all the rounds will be counted and the one who has attended all the quizzes and has the maximum scores will be awarded with some exciting prizes.



A TECH MAHINDRA COMPANY

Comviva is among the leaders in mobility solutions offering an expansive suite of productised solutions and catering to over two billion mobile users globally



JOB CRITERIA

B.E/B.Tech, MCA

Branch - CS, IS, EC, TC, EE & EI

Eligibility - > 6.75 CGPA

No Current Backlogs

Packages and Position Offered

ROLE: Software Engineer(Full Time)

CTC: 6.5 LPA



SKILLS REQUIRED



- Define user requirements for development or improvement of software solutions.
- Design technical solutions and perform feasibility studies
- Innovate: Thinking out of the box to propose and develop solutions.
- Design and implement databases as necessary.
- Fixing problems with the offered code as discovered during testing phase.
- Conducting Unit Tests, Integration Tests and Performance Tests of software to ensure level of quality

Topics to focus on:



- You possess an extremely sound understanding in the basic areas of Computer Science such as DSA Object Oriented Programming and Design
- You have a good command of programming language

RECRUITMENT PROCESS

Round 1: Online Test, Platform: AMCAT

2 coding questions(both of Medium Difficulty)

Round 2: Technical Interview, Platform: Google Meet

Technical Interview was of 35 to 40 minutes in which Concepts of Core standard DS like LinkedList, Stack, Queue, Arrays were asked. Concepts like structure and union, sorting and searching were given priority. Some discussion on Resume was also asked like discussion on projects, challenges faced and leadership skills was given the major focus.

Write - up Round:

A topic was given and was asked to prepare a writeup of 200 words.

Round 3: HR Interview:

Platform: Google Meet

This was a crucial round which went for 30 minutes. HR first asked to introduce myself, discussion on projects and internships mentioned in resume, asked some riddles and gave a scenario based question. He then told me about the work culture of the company.

Round 4: HR Interview (WebEx)

- Brief introduction about yourself
- Strengths, weaknesses, achievements
- Why do you want to join Cisco?
- Discussion on relocation, odd job timings (day / night shifts), further studies after college.
- Questions about the company, the revenue, the partners, the competitors, the products that the company delivers etc.



Cimpress plc is an American, Irish Domiciled company that invests in and operates a wide variety of businesses that use mass customization to configure and produce small quantities of individually customized goods.



JOB CRITERIA

For B.E. & M.Tech
Branch - CS & IS
No Current Backlogs

Packages and Position Offered

Software Engineer
CTC- 12 LPA



SKILLS REQUIRED



- Problem solving
- Programming
- Desire to learn
- Drive to make an impression
- Bring ideas to life

RECRUITMENT PROCESS

Online Test

- Platform used - HACKEREARTH
- Time limit - 90 mins
- 3 Coding Questions

Coding topics to focus on:

Bit manipulation

Arrays

Dynamic Programming

Technical Interview Round 1

OOP concepts, DBMS(SQL queries and indexing ques)

Networking concepts, DSA questions(BST, Heaps, Stack, Queues, Sorting algorithms) String and Array questions.

Coding Questions

- Given a list of numbers, find all the Pythagorean triplets.
- Check if two strings are rotation of each other
- Given two arrays, find the first number not present in 2nd array

Technical Round 2

Project related questions, Overview of resume, Time and space complexities of different operations on data structures.

Coding Questions

- Merging point of a linked list
- Distance between two nodes in a tree

Round 4: HR Interview (WebEx)

- Brief introduction about yourself
- Strengths, weaknesses, achievements
- Why do you want to join Cisco?
- Discussion on relocation, odd job timings (day / night shifts), further studies after college.
- Questions about the company, the revenue, the partners, the competitors, the products that the company delivers etc.

ORACLE®

MANAGED CLOUD SERVICES

Oracle OMCS Business Unit

Oracle Corporation is an American multinational computer technology corporation headquartered in Austin, Texas. The company was formerly headquartered in Redwood Shores, California until December 2020 when it moved its headquarters to Texas.



JOB CRITERIA

For B.E. & M.Tech

Branch - CS / IS/ ECE & EIE

Eligibility - >7 CGPA

No History of Backlogs

Packages and Position Offered

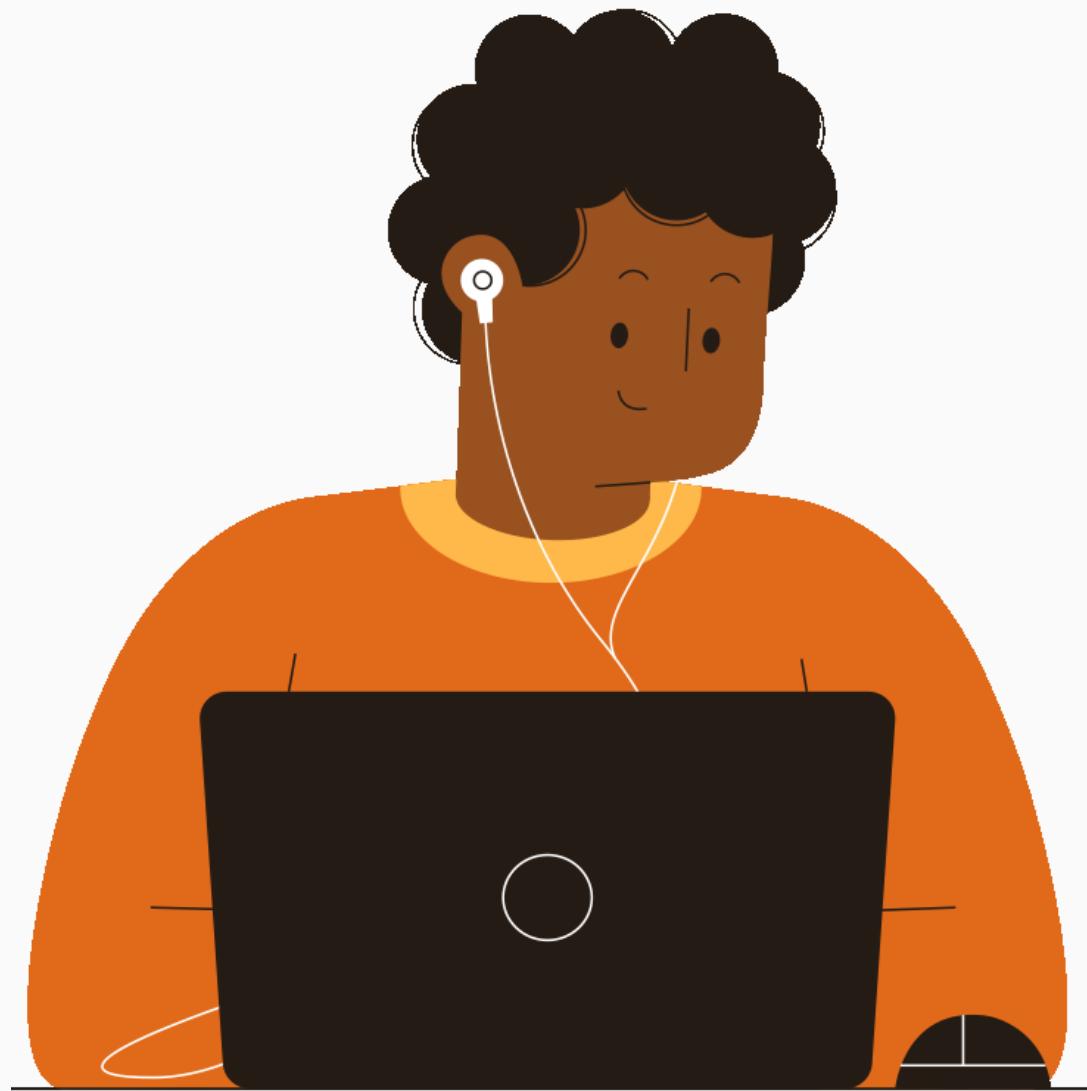
Associate Technical Analyst
CTC- 8.3 LPA



SKILLS REQUIRED

- Basic awareness and knowledge of Cloud computing and Cloud technologies
- Any scripting of developer skills like Java , C , C++, Python
- Basic Database concepts & strong analytical and problem solving skills. Along with strong communication and articulation skills .
● Adaptability to Change
- Strong knowledge and comprehension of technology and data management used in the process of collecting, storing and retrieving data

Topics to focus on:



- DSA
- DBMS & OS
- Computer Networks
- UNIX

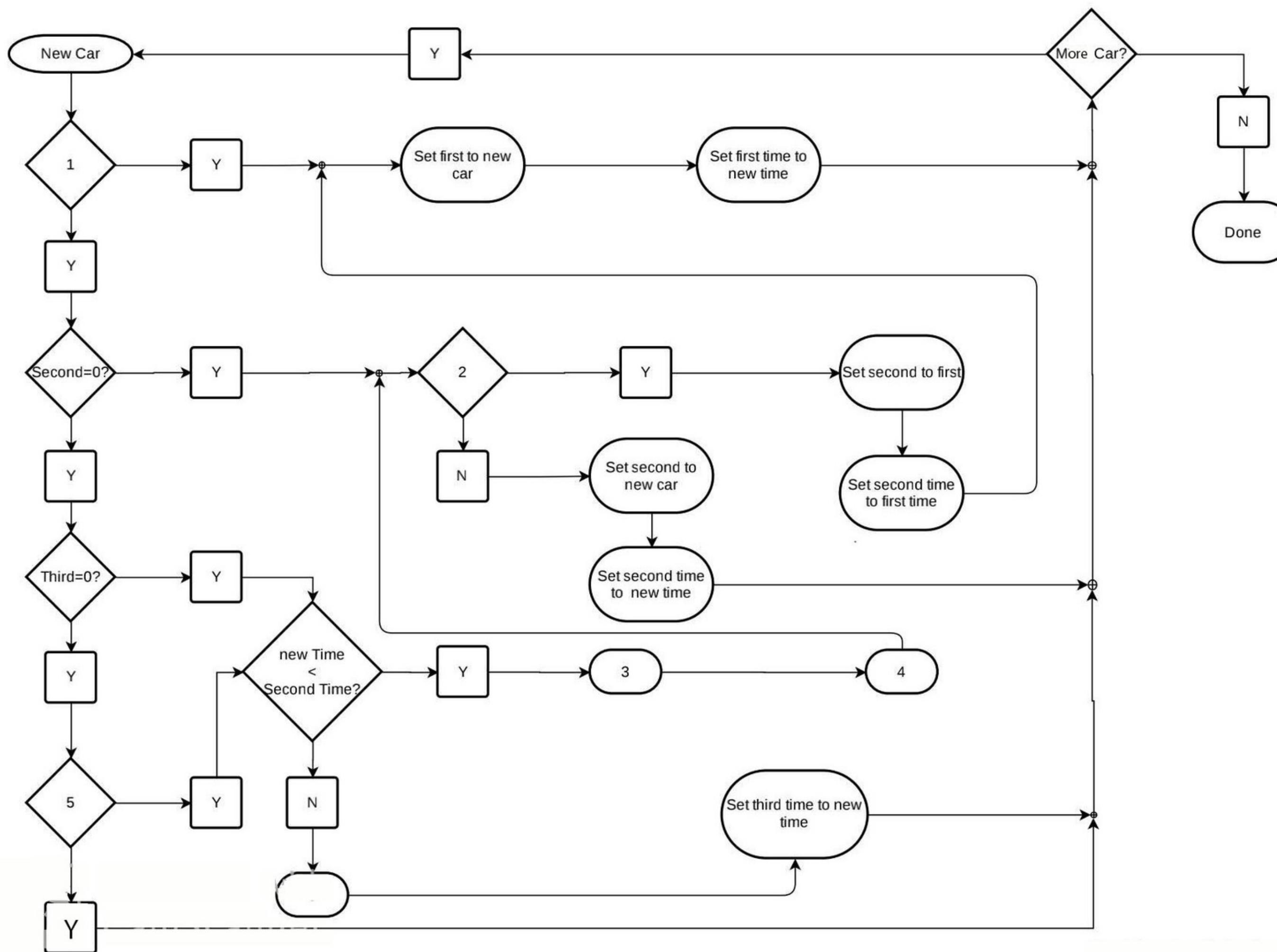
RECRUITMENT PROCESS

Online Test

- Aptitude
- Logical Reasoning
- Flowchart and Data Structure related McQs (mostly based on AVL, BST and Queues)
- Technical Aptitude (OS, DBMS, Networking)
- English

Notes: Assessment partners – Elitmus, all the skipped questions of respective sections appears at the end of the respective sections.

Flowchart Related McQ



The figure above depicts the algorithm by which racecars are evaluated and winners tracked in this case, the system is only interested in tracking which cars came in first, second and third, and the related times.

Each time a new car posts a time, the system receives NewCar (the car number) and NewTime (the car's posted time). The system will maintain the First, Second and Third car numbers, and their related times in FirstTime, SecondTime and ThirdTime respectively.

All variables are initially set to 0 and all cars numbers are positive. Fill in the appropriate statement in each of the unfilled spaces.

What is the value of Cell 1?

- (a) If $\text{NewTime} < \text{FirstTime}$
- (b) If $\text{NewCar} < \text{First}$
- (c) If $\text{First} = 0$
- (d) If $\text{NewCar} = 0$

Technical Interview Round -1

- Write the code for the below output

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

- What is the unix command to rename a file?
- Is there a way to erase all files in the current directory, including all its sub-directories, using only one unix command?
- Questions related to your project.
- List the steps involved in creating the checksum?

Technical/Managerial Round - 2

- Write a code to check whether the linkedlist is palindrome or not?
- What is DHCP?
- What are inode in unix?
- If you are not able to access a port, then what is the first thing you should check?
- Questions related to your project
- Puzzles
- Do you think you will be selected?
- How do you prioritize your tasks?

HR Round

- Introduce yourself
- Describe a situation from your college life where you had to take quick decisions?
- Questions on extra circular activities
- Are you ready to relocate?
- Why do you want to join Oracle?

THANK YOU

