



COIMBATORE INSTITUTE OF TECHNOLOGY

(GOVERNMENT AIDED AUTONOMOUS INSTITUTION)

CIVIL AERODROME POST, COIMBATORE-641014.

PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

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COMPANY NAME : THOUGHTWORKS

COMPANY TYPE : CORE

JOB DESIGNATION : APPLICATION DEVELOPER

SALARY (CTC) : 8.3 LPA

INTERN OFFERED ? : YES

BOND : NO

HAVE YOU PLACED ? : YES

*(Please comment this section **in detail** to guide your juniors in bright way)*

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

- This round was an online round, with MCQs, coding questions.
- They used HackerRank platform for this round.
- This round concentrates on how you are using Data structure concepts to solve your coding problems and knowledge in OOPs concepts

Have you cleared the round : YES

ROUND 2 :

- This round is Code Pairing Round, it happened in zoom.
- They will send you a problem statement for that problem statement you have to build an application with any language you prefer.
- Interviewer will be connected with you screen sharing and check how you are using OOPs concepts in your code to optimise it.
- If you complete the functionality of that problem statement with a proper solution, then your interviewer will ask you to optimise it.
- After completing it the interviewer will ask you to share the code and then you can leave the zoom meeting.

Have you cleared the round : YES

ROUND 3 :

- This round was a technical interview, it happened in zoom.
- Your whole interview will be based on the things you mentioned in your resume.
- Two interviewer were there, they asked to introduce myself and asked few questions (ie. challenges, learnings) on my 7th semester internship project.
- They asked me to explain one of my favourite projects and asked in depth about the flow, in which part I worked in, what are the challenges ?. I answered all those questions.
- I mentioned “I worked in Backend (NodeJs)” , asked about table relations, count of tables and db questions.
- Then they asked me to write DB table structures and asked for optimization by providing some more requirements in that application.
- Then they addressed some of the error cases and questioned how your application is taking care of it.
- Then gave me a problem and asked me to solve it in an optimised way.
- Asked some questions related to cloud computing as I mentioned in resume as an Area of interest.

Have you cleared the round : YES

ROUND 4 :

- This round is a Social Change and Leadership interview.
- In this round, there were two interviewers and they will concentrate more on how you are managing to solve some problems in your Life.
- This round is all about your character, way of thinking and your confidence level on your thoughts.

Have you cleared the round : YES

AREAS TO PREPARE :

1. Data Structures & Algorithms , basic DBMS and Logical thinking.
2. Deep knowledge about the project's flow which you are mentioned in your resume and tech stacks mentioned in each project.

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- Coding(Hackerrank, Hackerearth, leetcode).

OVERALL EXPERIENCE :

- Overall, the experience was good.
- The interviewers were friendly.
- In the Final HR round, I found many things about myself :).

GENERAL TIPS :

- Try to solve the code even if you don't get the complete result, give it a try until you complete it.
- Be confident with your explanations in projects.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	MADHANKUMAR M
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COMPANY NAME	:	THOUGHTWORKS
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	APPLICATION DEVELOPER
SALARY (CTC)	:	8.3 LPA
INTERN OFFERED?	:	NO
BOND	:	NO
HAVE YOU PLACED?	:	YES

(Please comment this section **in detail** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1:

This was an online test round. We had 9 MCQs which included some advanced aptitude questions, analytical questions like flowcharts and some OOPS based conceptual questions. And 4 “Fill in the blanks” type questions where we have to type the output of the given code snippet. After that, 3 simple coding questions. A decent coding knowledge is enough to solve them. This happened in HackerRank platform.

Have you cleared the round: YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Aptitude	Encryption type, custom operation and some basic arithmetic aptitude questions	
OOPS	About multiple inheritance, classes and methods, In which class would you create a new method etc.	
Flowchart	A flowchart which has some instructions and we have to solve the given question	

ROUND 2:

This round is called “Code-pairing” round. The shortlisted candidates from the first round were given a problem statement and we have to code. Each candidate was paired up with a thoughtworks employee. It was for 2 hours. For the first 45 minutes, he won’t disturb us. After that we have to walk him through the code we’ve worked on so far. He’d ask some questions on our approach and make some suggestions to make the code better. They don’t expect the code to be perfect but it should work at least to a certain extent. They mainly concentrate on your approach, the readability of your code, how well you can explain it and how you adjust your code based on his suggestions. Using OOPS concepts is a plus. If your code is working fine with the mentioned inputs, he’d give some random inputs to check the accuracy of your code.

Have you cleared the round: YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Coding	We were asked to design a television subscription system with two channels and different types of subscription for each channel. Factors such as the country in which the channels are allowed, bank balance of the customer, the type of subscription (Base, SD, HD, 4K, 5K, 8K etc) should be considered.	

ROUND 3:

This is the Technical Interview round. Two interviewers will test the candidate on core Computer Science subjects, programming, logical thinking, OOPS concepts, Data Structures, OS, SQL, Networking and the projects that you've done. It lasted for more than two hours. You should be able to explain all the projects that you've mentioned in your resume. Deep knowledge on the projects and the domain is essential.

Have you cleared the round: YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Networking	Working of a server, DNS, http vs https, VPN, Encryption types in https, information contained in an url etc.	
Data Structures	Different types of Data Structures and their uses, sorting algorithms, code for a perfect binary tree, Heaps and Heapify, graphs, dfs, bfs etc.	
OS	Scheduling, OS functions, priority levels, interrupts, threading in OS etc.	
OOPS	Namespace, types of inheritance, abstract classes and interfaces, types of polymorphism, Java vs C++ etc.	
SQL	Queries to create two tables and to perform various tasks, Types of Join etc.	

ROUND 4:

This is called the social change round. This is more of a discussion than an interview. The interviewer would like to know your perspective on current social problems. In other words, he will try to assess the candidate's moral compass. He asked to share my views on problems like the Farmers Protest, Reservation, Necessity of NEET, BJP, Casteism in India, COVID19 pandemic etc. In some topics he'd make some good points on the opposite cause making it a debate. You have to stand by your views and impose why you think they are better. Then he'd ask about your hobbies, family background and some general HR questions.

Have you cleared the round: YES

AREAS TO PREPARE:

- OOPS Concepts
- Data Structures
- OS
- Networking
- Programming
- SQL

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS:

Courses on Java, Python, SQL in the SOLOLEARN platform.
Solved problems on HackerRank, LeetCode, Geeksforgeeks.
Data Structures – Programiz
Aptitude - Indiabix

OVERALL EXPERIENCE:

It was a very pleasant experience. The interviewers were so friendly and encouraging. No problem in receiving the schedule and with the process. They were professional and we were constantly informed of the status of the process.

GENERAL TIPS:

Be confident, keep yourself updated on the company, the technology and the current social problems. Good communication skill is necessary. Be strong in the required fields and the projects. Try to use OOPS in as many coding questions as possible.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:R.KEERTHANA
ROLL NUMBER	:1705020
DEPARTMENT	:CSE
EMAIL ID	:keerthurkkeerthana@gmail
CONTACT NUMBER	:9080907130
COMPANY NAME	:THOUGHTWORKS
COMPANY TYPE	:CORE
JOB DESIGNATION	:APPLICATION DEVELOPER
SALARY (CTC)	:8.3lpa
INTERN OFFERED ?	:NO
BOND	:NIL
HAVE YOU PLACED ?	:YES

(Please comment this section **in detail** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

It was online hackerrank test. It consists of 9 technical MCQ questions, 4 code evaluation and 3 coding questions.

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Coding	Sum of adjacent numbers in array Eg: array = { 1,2,3,4,5 } { 3,7,5 } { 10,5 } Sum = 10*10 + 5*5 = 125	Recursive calling until number of elements in list is two and return product of numbers
Coding	Find the unique number in two list Eg. { 1,2,3,4 }, { 3,4,5,6 } Ans: { 1,2,3,4,5,6 }	Using retainAll functions, we can get intersection of two linkedlist. adding value in the set we can remove duplicate
Coding	Find the occurrence of the given word in a paragraph	Using LinkedHashMap for counting the occurrence of word

ROUND 2 :

Code pairing round

Channel subscription

A customer has a certain balance in his/her account and wishes to subscribe to a channel.

The channel should get added to the list of subscribed channels for the customer.

A customer might also wish to upgrade an existing channel he/she has already subscribed to. This should be allowed if an upgrade is possible for the channel.

All of the above should be allowed as long as the customer has the required minimum balance needed for subscription/upgrade. After the subscription/upgrade the difference amount should be reflected immediately in the customer's account.

Have you cleared the round : YES

ROUND 3 :

Technical Interview

1. OOPS concept with real time example

2. Networking-OSI layer

3. OS-process scheduling

4. DBMS-schema for a company having a lot of employee. employee and project have many to many relationship. Find the employee name working on more than two projects

Have you cleared the round : YES

Details about Questions on 3rd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
Coding	Find the occurrence of letters,numbers special characters in a paragraph	Using Linkedhashmap to find the occurrence of characters
Coding	Find the opposite seat in the railway seat allocation Seating allocation will be like this 1 2 3 4 5 6 12 11 10 9 8 7	
Operating system	Computers processor space is 2GB.We need to play two movies each of size 12GB	Segmentation and round Robin scheduling

ROUND 4 :

Social change Interview

They asked me about caste based reservations,women only reservations,NEET exams

Have you cleared the round : YES

AREAS TO PREPARE :

- 1.Oops
- 2.Networking
- 3.DBMS
- 4.Operating system
- 5.Data structure

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- 1.Oops- Beginnersbook
 - 2.DBMS-javatpoint,studytonight
 - 3.Operating system-Education4you youtube
- Geeksforgeeks

OVERALL EXPERIENCE :

The interview went really well.The interviewers were very friendly.

GENERAL TIPS :

They expect you to say real time example rather than theory.



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PLACEMENT YEAR 2020-2021

NAME	:	Neha S
ROLL NUMBER	:	1705092
DEPARTMENT	:	CSE
EMAIL ID	:	curdle39@gmail.com
CONTACT NUMBER	:	9715721100
COMPANY NAME	:	Thoughtworks
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	Application Developer
SALARY (CTC)	:	8.3 LPA
INTERN OFFERED ?	:	NO
BOND	:	NO
HAVE YOU PLACED ?	:	YES

COMMENTS ON SELECTION PROCESS:

ROUND 1:

Online Assessment: 90 mins duration

10 – 12 MCQ questions mostly OOPS based.

3 coding problems

Have you cleared the round: YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
CODING	1. Sum of adjacent numbers	
	2. Unique elements from 2 lists in sorted order	
	3. Remove a list of characters from a string and return it	

ROUND 2:

Code pairing: 2 and half hours

One problem scenario

Have you cleared the round: YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
OOPS	A TV channel subscription scenario with a couple of channels and the prices for updating the channel resolution. You can either subscribe or upgrade existing channel. The customer details include the balance amount and the list of channels subscribed. The customer is allowed to perform a subscription or upgrade and the corresponding actions should be coded. The remaining balance of the customer is printed at the end.	Coding was done in python. Used two classes one for subscription and other for upgrade.

ROUND 3:

F2F interview with 2 panel members: nearly 1 and half hour

I was asked to write a pseudocode for a spam filter for emails. I was asked to optimize the approach I used and the problem was also expanded eventually to get another approach. My projects listed in my resume were discussed in brief. Some queries in mysql were asked.

Have you cleared the round: YES

ROUND 4:

Social change and leadership interview with 2 panel members: an hour approx.

The questions were based on the social happenings and our views about it. This round is meant for the interviewers to get to know about us a little more.

Have you cleared the round: YES

Details about Questions on 4th round:

QUESTION NUMBER	QUESTION
1	Is caste reservation necessary?
2	Is it ok to have gender based reservations for recruitment in any company?
3	Is it okay to eat beef?
4	Greatest failure of your life.

AREAS TO PREPARE:

- OOPS
- DBMS
- DS

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS:

- InterviewBit
- GeeksForGeeks
- Hackerrank

OVERALL EXPERIENCE:

The recruiters are very friendly and they give you enough time for solving the problems given during the interviews. The whole process was organized.

GENERAL TIPS:

Be frank about yourselves to the interviewers. They don't expect you to know everything. Prepare well in problem solving. Have a good understanding of your projects and topics listed in your resume.



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PLACEMENT AND TRAINING CELL

PLACEMENT YEAR 2020-2021

NAME	:	Umair Fayaz
ROLL NUMBER	:	1705113
DEPARTMENT	:	CSE
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CONTACT NUMBER	:	7006231224
COMPANY NAME	:	ThoughtWorks
COMPANY TYPE	:	CORE
JOB DESIGNATION	:	Application Developer
SALARY (CTC)	:	8.3 LPA
INTERN OFFERED ?	:	NO
BOND	:	NO
HAVE YOU PLACED ?	:	YES

(Please comment this section **in detail** to guide your juniors in bright way)

COMMENTS ON SELECTION PROCESS :

ROUND 1 :

Online Assessment: 90 mins duration

10 – 12 MCQ questions mostly OOPS/DS based.

3 coding problems

Have you cleared the round : YES

Details about Questions on 1st round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
CODING	1. Sum of adjacent numbers	
	2. Unique elements from 2 lists in sorted order	
	3. Remove a list of characters from a string and return it	

ROUND 2 :

Code pairing: 2 and half hours

One problem scenario

Have you cleared the round : YES

Details about Questions on 2nd round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
OOPS/ Problem Solving	A TV channel subscription scenario with a couple of channels and the prices for updating the channel resolution. You can either subscribe or upgrade existing channel. The customer details include the balance amount and the list of channels subscribed. The customer is allowed to perform a subscription or upgrade and the corresponding actions should be coded. The remaining balance of the customer is printed at the end.	Coded in Java as we were expected to implement oops concepts. Used a Class for the customer and other for channels. Performed the calculation for subscription/upgrade based on the inputs.

ROUND 3 :

F2F interview with 2 panel members: nearly two hours.

Started with a simple question, given an array find the largest number. Then was asked to improve it. Then different arrays were given all had some pattern, was asked to find the pattern and group the arrays based on that pattern. Then based on the given pattern what my approach would be to find the largest. Then a scenario was given – 4 players playing carrom, each getting a turn after his predecessor. How would i put this in a data structure, how would the chosen data structure handle a player leaving, new player coming to play etc. Given a chat application, supporting multiple replies for the messages (a reply can have a reply and so on...) chose a suitable data structure, write code for it print all the messages in the given order. Finally my projects/ past work was discussed. Some questions from sql joins were asked and also my experience with implementation of sql in my projects.

Have you cleared the round : YES

ROUND 4 :

Social change and leadership interview: 1 panel member: an hour approx.

The questions were based on the social happenings and our views about it. This round is meant for the interviewers to get to know about us a little more. There is no right or wrong answer to the questions. They just want to know what our views are, towards a particular matter/thing.

Have you cleared the round : YES

Details about Questions on 4th round:

QUESTION DOMAIN	QUESTION	SOLUTION / HOW DID YOU APPROACH
	Introduction.	
	My views about privacy	

	My views on Video surveillance (because i had done projects/ volunteer work related)	
	Article 370 (because I mentioned I am from Kashmir)	
	My views on Military presence in Kashmir (How I feel about it. What would I do if i were the leader)	
	Section 377 , how do I feel about LGBTQ community	
	Women rights / women leadership / reservation for women	
	My views on reservation in general	

AREAS TO PREPARE :

- OOPS
- DBMS
- DS

SITES / BOOKS YOU SUGGEST FOR PREPARATION FOR THE PROCESS :

- GeeksForGeeks
- Hackerrank
- Our College books/notes (to be clear in the basic concepts of all our core subjects)

OVERALL EXPERIENCE :

The recruiters are very friendly and they give you enough time for solving the problems given during the interviews. The whole process was organized.

GENERAL TIPS :

Be frank and honest about yourselves to the interviewers. They don't expect you to know everything. Prepare well in problem solving. Know your basics well. Have a good understanding of your projects and topics listed in your resume.