# Behavioural

* **What is your most challenging task in your previous company, how did you solve it and what is the takeaway?**

1. **Situation**: **The tightly coupled Design.**

The design of One of the web applications (GBR) I have worked was written with tightly coupled classes which were highly dependent on one another. The problem was Changing one object in a tightly coupled application often requires changes to a number of other objects. for large applications these inter-dependencies are not always known by every programmer or chance is there to miss changes. This is why an application's maintenance costs get higher.

# **Task: Make the application loosely coupled**

Our design goal was loose coupling which reduce the inter dependencies between components of a system.

the goal of reducing the risk that changes in one component will require changes in any other component.

More testable

1. **Activity:**

I have reviewed the code base and identified the scope of change

Estimated the effort (dev effort + unit test + Qa + deployment)

Coding: I have refactor our application to use the Repository pattern and the Dependency Injection pattern.

1. Create an interface
2. Create a concrete class that implements the interface

Instead of creating instance of concrete class we used interface.

1. **Result:**

It definitely made my application more flexible, more adept at change, and easier to maintain (since you don't have to worry about a change in one area of the application breaking another).

* **Describe a specific problem you solved for an employer or team. How did you approach the problem? What role did others play? What was the outcome?**

1. **Situation**: **Database performance issue**

For broker application we have incorporated ssrs reports. One report was taking too long and was giving 500 error. Database slowness was identified. I have a stored procedure and when I want to execute it using exec proc\_name it takes `15 min

If I copy the code from stored procedure, declare params as variables and then execute the code it takes 1 min. Ultimately application was giving internal server error.

# **Task: Fix performance issue by Query optimization**

Finding which query for optimization from execution plan

Minimize the execution time.

1. **Activity:**

I have reviewed the entire. Tried to identify if its victim of Parameter sniffing problem. (old execution plan is used from cache which might be bad for other input). Resolution recompiling the sp or free up plan cache

Try to remove cursors from the query and use set-based query; set-based query is more efficient than cursor-based.

*SELECT \*  no sele a,b..*

Use temp tables

1. **Result:**

It definitely increased the performance of the query. Made faster 2 min from 15 min.

* **Describe a specific problem you solved for an employer or team. How did you approach the problem? What role did others play? What was the outcome?**
* **Describe two specific goals you set for yourself and how successful you were in meeting them. What factors led to your success?**
* **Situation**: EE to IT

Automating termination

* **Tell me about a time when you failed to meet a deadline. What did you fail to do? What did you learn?**

**Situation**: For GBR I needed to estimate the effort to implement new criteria module.

**Task**: I estimated the backend+database work + frontend work. But I have taken less effort for front end. I knew that we were unable to meet the deadline for the system launch.

**Activity**: As soon as I realized that the deadline was not doable, I utilized transparency and communicated in person to let the leadership team know we would experience a delay. I also helped the UI girl to write some typescript services to accelerate the process. And I have explained my onsite whom I have submitted the effort hours and client. Worked on weekend.

**Result**: We did not meet our deadline; however, we were only one week out, which wasn't as bad as I initially anticipated. I learned to communicate early and often and ask for assistance when needed.

**Give me an example of how you utilized your analytical ability to solve a problem at work. What was the result?**

**Situation**: few cases: Incomplete vendor data flow causing error in our system

**Task**: For few days I was receiving customer issue that they are not able to aise claim as they don’t have valid strip id. I had to do the RCA

**Activity**: Analyse the employee vendor data. Fetched all the information fields and detect a pattern that for blocked vendors some fields are coming null from SAP. For that these records are failing to generate stripe id in our system.

**Result**: Informed SAP to send the pernr for bloked vendor also.

# Hypothetical

* Why google?

1.It has some great prods that I use daily search,maps helped making my life easier. That means I will get chance to work with many talented peps.

2. Great technical culture and achievement rec.. If I get oppurtutnity to work here I can put +ve impact on peoples daily life.

Encourage innovation.google is contstantly moving fwd and I feel excited to work in fast paced environment that embrace changes.

* Assume you have to handle a workshop on xyz. How will you accomplish it?

**Plan**

* **Consider the purpose of the workshop.**

**Consider your audience**

What do they already know?

Is this material out of their field?

**Size**

If the group is an ideal size for most purposes (about 8-12) you can arrange activities that involve participants as individuals, in small groups (2-4), and in the whole group. If the group is larger than about 15, you'll probably want to split it up for many activities. If it's smaller than 7 or 8, you might be better off having the whole group work together for most of the workshop.

**Consider the time available**

 Workshops can run from as little as an hour or less to as much as a day or even longer. It 's important that your goals for the workshop match the time available.

Plan activites

Plan breaks

**Execution**

**Find out about the space**

**Bring everything you need**

Don't forget about food, coffee

**Arrange well beforehand for any equipment you'll need** (overhead projector, VCR and monitor, computer, etc.)

* Suppose a colleague comes to you with [abc business problem]. Walk me through the steps that you would take in order to [xyz]. How would you approach this task? What types of data and metrics might you want to gather before determining your strategy? How would you evaluate whether your approach was successful?
* **Imagine you are in charge of organizing the grand opening of a new Google office in Bangalore, India. What steps would you take to plan this event?**
* I will send invitation to all the related guests or brand ambassadors and check for their availability.
* I will try to arrange event in dates that are suitable to the guests so that they make sure their presence.
* Then I will select the venue for opening ceremony.
* I will work on the promotion of the event.
* Identifying the partners and sponsors is also very important which will be done side by side to all the arrangements
* Imagine you are working on Gmail and a competitor starts charging a $5 monthly fee for their product. How would you assess this situation, and what recommendation would you make to your team?