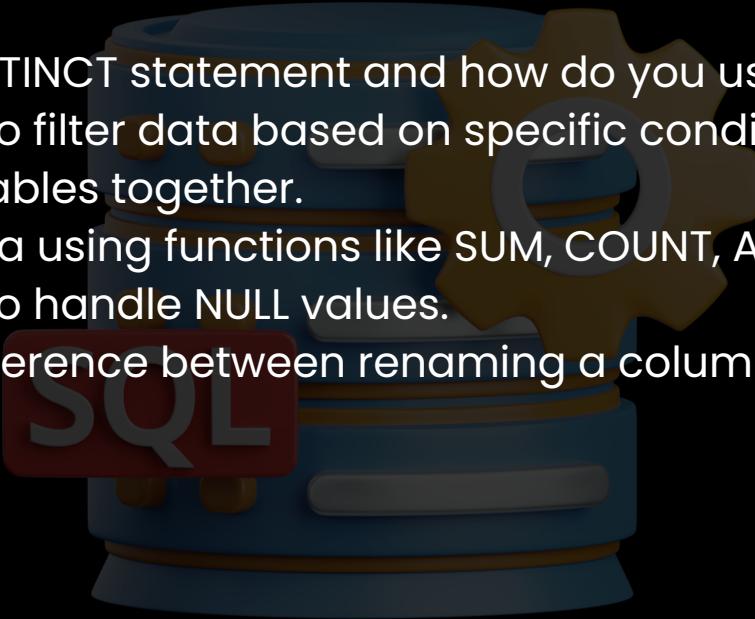


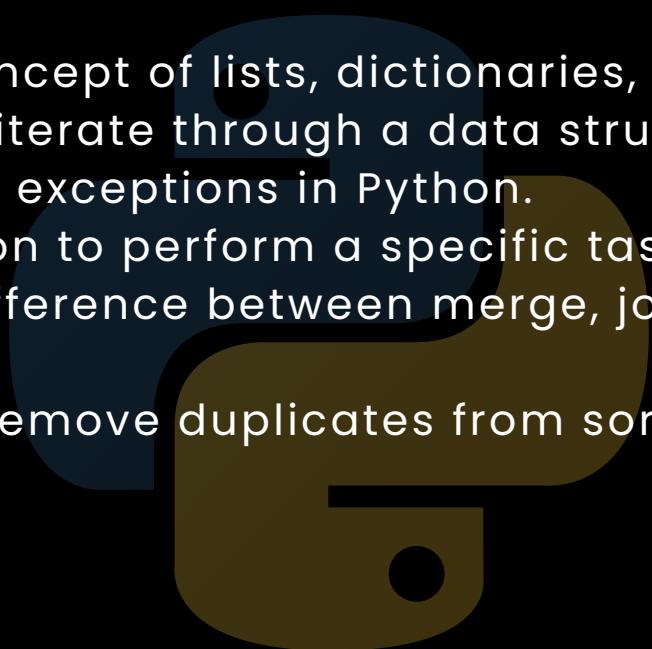


# 100 SECRET INTERVIEW QUESTIONS

# SQL

- 
- 1.What is the DISTINCT statement and how do you use it?
  - 2.Write a query to filter data based on specific conditions.
  - 3.Join multiple tables together.
  - 4.Aggregate data using functions like SUM, COUNT, AVG etc.
  - 5.Write a query to handle NULL values.
  - 6.What is the difference between renaming a column and giving an alias to it?

# PYTHON

- 
- 1.Explain the concept of lists, dictionaries, and sets.
  - 2.Write code to iterate through a data structure.
  - 3.How to handle exceptions in Python.
  - 4.Write a function to perform a specific task.
  - 5.What is the difference between merge, join and concatenate?
  - 6.How can you remove duplicates from sorted array

# JAVA

1. Explain the concept of object-oriented programming principles like inheritance, polymorphism, and encapsulation.
2. Difference between primitive data types and reference data types.
3. How to implement multithreading in Java.
4. Exception handling in Java.
5. What are the differences between Heap and Stack Memory in Java?
6. What is a singleton class in Java? And How to implement a singleton class?

Java

## DSA (DATA STRUCTURES AND ALGORITHMS)

1. Explain the time and space complexity of different algorithms (e.g., insertion sort, bubble sort, etc.)
2. Implement a search algorithm like linear search or binary search.
3. Implement a sorting algorithm.
4. How to represent and traverse a tree or graph data structure.
5. What is the difference between a breadth-first search and a depth-first search?
6. Given a binary search tree, find the second smallest element in the tree. What is the time complexity of your algorithm?

# JAVASCRIPT

1. Write code to manipulate the DOM (Document Object Model).
2. Explain the concept of closures and callbacks in JavaScript.
3. Asynchronous programming concepts in JavaScript (e.g., promises).
4. Write code to handle errors in JavaScript.
5. What are the different ways an HTML element can be accessed in a JavaScript code?
6. What are the different ways an HTML element can be accessed in a JavaScript code?



# CONTENT WRITING

1. What is your understanding of SEO, and how do you incorporate it into your writing?
2. What do you think are the essential components of good web content?
3. How do you stay updated with current trends and changes in the industry to inform your content strategy?
4. What is the difference between keyword frequency and keyword density?
5. How do you begin your research, and how do you decide which sources are credible?
6. What is the importance of target personas while writing an article?
7. Explain your approach to optimizing content for different platforms and audiences, including websites, social media, and mobile applications. How do you adapt your writing style and tone accordingly?
8. Explain your knowledge of different content formats (e.g., blog posts, whitepapers, ebooks, infographics). How do you decide which format is best suited for a particular topic or audience?
9. What do you understand about the term CTA of a blog? Give an example of a blog and how will you write a CTA of the same?
10. What is your proofreading process?

# MS EXCEL

1. How is a Formula different from a Function in Excel?
2. Differentiate between the terms "absolute cell referencing" and "relative cell referencing" in Microsoft Excel.
3. What is the IFERROR function used for?
4. What will you do if you want to change either the column letter or the row number but not both?
5. What are wildcards in Excel? How do you apply them?
6. Why Would You "Freeze Panes" in Microsoft Excel?
7. How do you identify repeated values in a column?
8. What is Goal Seek?
9. What happens when you check the Defer Layout Update option present in the PivotTable Fields window?
10. Is it possible to crack the password for an Excel VBA project?



# MS OFFICE

1. What is the shortcut key for creating a hyperlink in MS Word?
2. How do you add footnotes and endnotes to a document?
3. Explain what the eyedropper tool does in PowerPoint.
4. What is Microsoft Access, and how is it different from other Office applications?
5. How would you arrange your slides into different sections in PowerPoint?
6. What are the different identity models available in Office 365? Name them.
7. What is the 'Quick Access Toolbar' in Office applications?
8. What is the 'SmartArt' feature in Microsoft Office applications?
9. Can we Customize the ribbon? If yes, how.
10. Explain the method for using Notes Pane?



# ARTIFICIAL INTELLIGENCE

1. What's the difference between NLP and NLU?
2. What is the Difference Between Parametric and Non-parametric Models?
3. What is Artificial Narrow Intelligence (ANI)?
4. Explain the binarizing of data.
5. Explain the difference between symbolic and connectionist AI.
6. What are the main components of LSTM?
7. Mention methods used for reducing dimensionality.
8. Which assessment is used to test the intelligence of a machine? Explain it.
9. What is a rational agent, and what is rationality?
10. Suppose you know a farmer. He tells you that despite working hard in the fields, his crop yield is deteriorating. How can AI help him?



# PROJECT MANAGER

1. Describe a project that went sideways. How did you identify the problems and get things back on track?
2. How do you handle a situation where a key stakeholder micromanages your team?
3. Imagine your team member has a brilliant idea that significantly changes the project scope. How would you approach this?
4. How do you measure project success beyond just meeting deadlines and budgets?
5. Walk us through your risk management process. How do you identify and mitigate potential risks?
6. How do you stay up-to-date on the latest project management methodologies and tools?
7. Tell us about a time you had to delegate tasks effectively. What was your strategy?
8. How do you motivate your team and keep them engaged throughout a long project?
9. Describe your experience with project management software. What are your preferred tools and why?
10. What are your salary expectations, and how do you justify your value as a project manager?



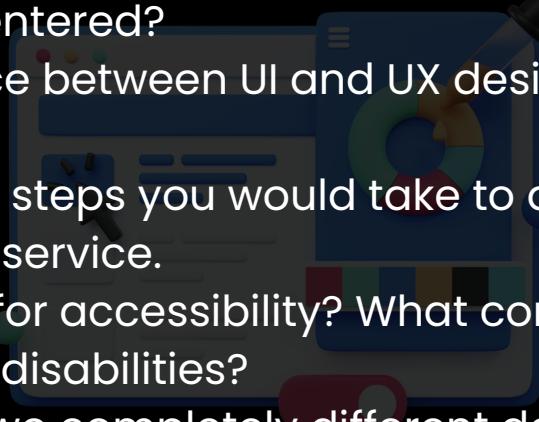
# SYSTEM DESIGN

1. Design a system for a social media platform that can handle millions of users concurrently.
2. How would you design a real-time chat application with low latency?
3. Describe your approach to designing a fault-tolerant system that can recover from failures.
4. Explain how you would design a system for a high-traffic e-commerce website during peak sales season.
5. How would you choose the right database technology for a specific application? What factors would you consider?
6. Walk us through your thought process when designing a secure system. What security measures would you prioritize?
7. Imagine you're designing a system with multiple interacting components. How would you ensure proper communication and data exchange?
8. How would you document your system design for future reference and maintenance by other developers?
9. What trade-offs do you consider when making design decisions? How do you balance performance, scalability, and cost?
10. Prepare a presentation explaining your system design to a non-technical audience. Focus on clarity and user experience.



# UI/UX DESIGN

1. Describe your user research process. How do you ensure your designs are user-centered?
2. Explain the difference between UI and UX design. How do they work together?
3. Walk us through the steps you would take to design a mobile app for a new food delivery service.
4. How do you design for accessibility? What considerations do you make for users with disabilities?
5. Imagine you have two completely different design concepts for a product. How would you choose the best option?



# SOFT SKILLS

1. Describe a project where you had to adapt to a sudden change in plans. How did you handle it?
2. Can you give an example of a time you went above and beyond for a teammate or customer?
3. Tell me about a time you made a mistake. How did you handle it, and what did you learn from the experience?
4. How do you stay organized and manage your time effectively when juggling multiple tasks?
5. What are your biggest strengths and weaknesses? How do you work on improving your weaknesses?

