

Exp-1

You are conducting an interview for a senior Front End developer role. I want you to ask me difficult React.js, HTML, CSS, and JavaScript interview questions. Your response should contain the difficulty rating, but do not give me the answer or any other information. Start by asking me one question.

Example Prompt: Show me the answer

Example Prompt: Can you give me another difficult question about JS?

Example Prompt: Can you give me a more difficult JS question that one was too easy

Example Prompt: Try to give me a harder one

Example Prompt: Can you give me an HTML question about accessibility

Example Prompt: show me the answer

Example Prompt: give me another question

Exp-2

Prompt-1: create a physics simulation in java script of container full of gas molecules. The molecules should be simple diatomic helium gas molecules. Also in addition to collision physics also add corrections for vander walls forces and apply distortion to the mechanics of the molecules based on these forces.

Prompt-2: create a simple 2D demonstration of the above in java script to the level of complexity that you can code

Prompt-3: using the mass of the helium nucleus, and the speeds of the gas molecules, have label that outputs the temperature of the box at any instant. Use statistical mechanics to calculate the temperature.

Prompt 4: Update above code to add the label in html below the gas container. To the right of the gas container have a small box that explains the kinetic theory of gases and have the relevant equation below it

Exp-3

Write Python code for a GPT-2 chatbot using Hugging Face Transformers that maintains context and generates dynamic responses based on user inputs. Create a ChatBot class to handle context updates, use a text-generation pipeline, and generate responses without hardcoded replies. Demonstrate with predefined conversation history showing how the chatbot's responses evolve naturally.

Then in google collab type **!pip install transformers torch**

then copy the code given in above and paste it in google collab and run it

Exp-4

create a election banner containing photo of candidate with congress party symbol and background of indian tricolour and add manifesto free bus, free electricity and a quote below candidate "For a better tomorrow" with name of candidate "Kunal Devidas Gaikwad" below and social media links below.

Exp-5

Prompt-1: Hey, please, provide me the list of the most common customer complaints in online e-commerce shop

Prompt-2: Keep it short, please. 3-5 bullet points max. Generate the key and the main recommendations for handling late or delayed delivery.

Exp-6

Prompt-1:Generate the addition of 2 numbers in c

```
#include <stdio.h>

int main() {
    int num1, num2, sum;
    printf("Enter the first number: ");
    scanf("%d", &num1);
    printf("Enter the second number: ");
    scanf("%d", &num2);
    sum = num1 + num2;
    printf("The sum of %d and %d is %d.\n", num1, num2, sum);
    return 0;
}
```

Prompt-2:convert the above code into javascript

```
const prompt = require('prompt-sync')();
const num1 = parseInt(prompt("Enter the first number: "));
const num2 = parseInt(prompt("Enter the second number: "));
const sum = num1 + num2;
console.log(`The sum of ${num1} and ${num2} is ${sum}.`);
```

Prompt-3:convert the above code into java

```
import java.util.Scanner;

public class AddTwoNumbers {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter the first number: ");
        int num1 = scanner.nextInt();
        System.out.print("Enter the second number: ");
        int num2 = scanner.nextInt();
        int sum = num1 + num2;
```

```
        System.out.println("The sum of " + num1 + " and " + num2 + " is " + sum + ".");  
    }
```

Prompt-4:convert the above code into python

```
num1 = int(input("Enter the first number: "))  
num2 = int(input("Enter the second number: "))  
sum = num1 + num2  
print(f"The sum of {num1} and {num2} is {sum}.")
```

Prompt-5: convert the above code into R

```
num1 <- 5  
num2 <- 3  
sum <- num1 + num2  
print(sum)
```

Exp-7

Prompt-1:provide me the code for addition of 2 numbers

Prompt-2:give me the output for the above program and also clean the code and make it simple

Exp-8

Prompt-1: python script that uses google translate library to translate a series of conversational text into english

In google collab type `pip install googletrans==0.0-rc1` then paste the code which is generated for the above prompt

Exp-9 (in image generator)

Prompt-1:Illustrate the process of photosynthesis in a leaf show that every cell in the plant should be printed in the flow of energy

Prompt2: In the same diagram illustrate the conversion of CO₂ and water into the glucose and oxygen. show the arrow representing to the flow of co₂ entering into the leaf & existing along with along with the glucose that has been produced inside the leaf

Prompt 3:Create a image provide a scientifically. detailed diagram a lunar eclipse, showing the relative positions of the Sun, earth and moon at each phase of eclipse include the nature of the shadowing

process and explain how they affect the appearance of the moon during partial, total and penumbral phases, include additional scientific details such as path of moon orbit tilt of earths exist and why lunar eclipse are Visible from certain locations on earth-Describe the precise timing of different phases and phenomenon of blood moon.

Exp-10

(In scholar ai)

Prompt-1: Provide me the deep learning topic SVM (Support vector machine) for research purpose

Prompt-2: Extend the introduction for the above topic

(If limit exceeded go with normal ai)

Prompt-3:Provide me the datasets for the research. purpose, provide me the results with image

Prompt-4: Give me the conclusion for the above topic