**Technical Interview Questions**

**C:**

1 . What is a programming language?

2 . What are the various levels of programming language?

3 . What do you meant by Compilation & Interpretation?

4 . What is an Object Code?

5 . Write a simple C program and explain all it’s context.

6. What is a Header File? And why we need them?

7 . How to create your own Header File?

8 . In how many ways can you include Header Files?

9 . What do you meant by pre‐processor directive?

1 0. Explain the execution flow of a simple C program.

11. What is a Return Type for?

1 2. What is an Identifier?

1 3. Name few Keywords.

1 4. What is an Escape Sequence? Name few and it’s purpose.

1 5. What would a printf() function returns?

1 6. What would a scanf() function returns?

1 7. What do you meant by primitives?

1 8. What is a Function?

19. Explain Function Declaration and Function Definition.

2 0. What do you meant by Formal & Actual arguments?

2 1. What are Storage Classes?

2 2. Which Storage class is used to call function written in another C program file?

2 3. Which is the Default Storage class?

2 4. Define Function call and what happens when a function is called?

2 5. What do you meant by NULL?

2 6. Define MACRO.

2 7. Disadvantage of MACRO.

2 8. What is a Pointer?

2 9. What are all the Indirection operators in C?

3 0. Difference between Call ‐by‐value & Call‐by‐Reference.

31. Discuss Array.

3 2. How to use an array as pointer.

3 3. Discuss post increment & pre increment.

3 4. What do you meant by Void Pointer?

3 5. Write some code to Dynamically assign memory for pointer.

36. Difference between malloc , calloc & realloc.

37. What is a double pointer?

3 8. What do you meant by type casting?

3 9. What is a Structure? And why we need it?

4 0. How to access member variables using structure pointer?

41. Explain typedef.

4 2. What do you meant by memory leak?

4 3. What is a Union?

44. Difference between Structure & Union.

4 5. Give example. Where we use union.

4 6. Explain feof().

4 7. Discuss r+,w+ & a+ modes of File Operation.

4 8. What is an enum?

4 9. How can you assign user specified constant to enum variables?

50. How to free a dynamically allocated memory?