Questions

* W.A.P to Move all zero’s to end of the array ? i.e. array [6,7,0,1,8,9,0,4,0,71]

result =[6,7,1,8,9,4,71,0,0,0]

* Static variable, Global static and local static
* Volatile
* Find duplicate in a string using binary hashing, with number of occurrence?
* Find doubled number in a array [1122,7856,3399,1234]
* Bit manipulation Bitset, Bitclear, Bit-toggle?
* Big-endian and Little-endian concept
* W.A.P to find the machine is little endian or big endian?
* Reverse a string using recursion function?
* MACRO to convert byte order from little-endian to Big-endian and vice versa
* MACRO to find MAX of 3 numbers
* Find number of set bit in a given number
* How to access the particular address 0x9xxxxxxx
* Dynamic Memory Allocation in C
* Storage classes

Initial value, Scope, Life time, Memory using

* Memory leak, how to prevent how to find?
* Pointers –Wild pointer, Void pointer, Null pointer
* Find number of word in a sentence
* Binary Search
* Sorting
* Structure padding
* Difference between MACRO and In-line function
* Call by value ,Call by reference
* Function pointer
* Toggle a given number
* Difference between #define & const.
* Memory mapped I/O
* Pointers
* Difference between RS232 and 485
* Modbus the protocol
* CAN protocol (Bus level data frame and all)
* J1939 protocol stack (OSI Model level) like SPN, PGN ,ext..
* Few example where ISO26262 used in our programming.
* ISR
* Vector table’s
* Heap ,stack ,quee
* Working of compilers
* Difference between ++i, i++
* Re-entrant function
* Reasons for segmentation fault
* Pipeline