**TCS Placement papers**

•What does static variable mean?  
  
It is variable that has been allocated statically whose life time extends across the entire run of the programme  
  
•What is a pointer?  
  
Pointer is a variable that contain address of another variable in the memory  
useful i n creation of linked data strucures managing objects allocating memory dynamicaly...  
  
•What is a structure?  
  
is collection of hetrogenous data items  
  
•What are the differences between structures and arrays?  
  
is collection of hetrogenous data items  
arrays-homogeneous data items  
  
•In header files whether functions are declared or defined?  
  
•What are the differences between malloc() and calloc()?  
  
•What are macros? what are its advantages and disadvantages?  
  
•Difference between pass by reference and pass by value?  
  
•What is static identifier?  
  
•Where are the auto variables stored?  
  
•Where does global, static, local, register variables, free memory and C Program instructions get stored?  
  
•Difference between arrays and linked list?  
  
•What are enumerations?  
east of named integer valu constant  
  
•What is a class?  
  
•What is an object?  
  
•What is the difference between an object and a class?  
  
•What is the difference between class and structure?  
  
•What is public, protected, private?  
  
•What are virtual functions?  
  
•What is friend function?  
  
•What is a scope resolution operator?  
  
•What do you mean by inheritance?  
  
•What is abstraction?  
  
•What is a data structure?  
  
•What does abstract data type means?  
  
•Evaluate the following prefix expression " ++ 26 + - 1324" (Similar types can be asked)  
  
•Convert the following infix expression to post fix notation ((a+2)\*(b+4)) -1 (Similar types can be asked)  
  
•How is it possible to insert different type of elements in stack?  
  
•Stack can be described as a pointer. Explain.  
  
•Write a Binary Search program  
  
•What is the difference between an Abstract class and Interface?  
  
•What is user defined exception?  
  
•What do you know about the garbage collector?  
  
•What is the difference between java and c++?  
  
•In an HTML form I have a button which makes us to open another page in 15 seconds. How will you do that?  
  
•What is the difference between process and threads?  
  
•What is update method called?  
  
•Have you ever used HashTable and Directory?  
  
•What are statements in Java?  
  
•What is RMI?  
  
•Explain about RMI Architecture?  
  
•What are Servelets?  
  
•What is the use of servlets?  
  
•Explain RMI Architecture?  
  
•How will you pass values from HTML page to the servlet?  
  
•How do you load an image in a Servelet?  
  
•What is purpose of applet programming?  
  
•How will you communicate between two applets?  
  
•What are the basic functions of an operating system?  
  
•Explain briefly about, processor, assembler, compiler, loader, linker and the functions executed by them.  
  
•What are the difference phases of software development? Explain briefly?  
  
•Differentiate between RAM and ROM?  
  
•What is DRAM? In which form does it store data?  
  
•What is cache memory?  
  
•What is hard disk and what is its purpose?  
  
•Differentiate between Complier and Interpreter?  
  
•What are the different tasks of Lexical analysis?  
  
•What are the different functions of Syntax phase, Sheduler?