• What does the C program include?  
• What are the differences between C and C++?  
• What is OOP?  
• What is Dynamic Memory Allocation?  
• What are the differences between C/C++ and Java?  
• Explain encapsulation, inheritance, polymorphism and abstraction.  
• What is Runtime Polymorphism?  
• What is a non-static member function?  
• What are the similarities and differences between class and structure?  
• Can you write a program to compare two strings without using the strcmp() function?  
• Give us a program to concatenate two strings.  
• Can you write a program to interchange two variables without using the third one?  
• Write programs for String Reversal & Palindrome check.  
• Explain what is BCNF?  
• Can you give us a program to generate the Fibonacci Series?  
• What is the rule of optimality in routing algorithms?  
• Write a structure specification that includes 4 float variables called length, breadth, height and volume.  
• How would you search and sort algorithms with complexities?  
• What is the difference between call by value and call by reference for functions?  
• Do you a know a language other than C, C++ and Java?  
• Explain the three basic concepts/features of OOPS.  
• Do you know about recursive functions? Give us three examples.  
• What are semaphores? What are the different types of semaphores?  
• Do you know the various On-Delete options in a DB table? Which is the default option?  
• Give us a function to reverse a linked list.