

## Technical Round

1. What all debugging techniques have you learnt so far to debug mobile phone application?
2. Given a set of numbers find a consecutive subset of numbers whose sum is maximum. What is the complexity of your algorithm?
3. How will you implement a memory leak detector for your mobile application, so that when you come out of a scope, you can alert developer that there is a memory ? leak
4. What is the most challenging bug that you have fixed for a mobile application?
5. What are the differences between C++ and Java?

## Technical Round

1. How does a unix machine boot, what is the process id of init?
2. Describe file system in unix.
3. How can a process communicate with another process in most efficient way?
4. How can you detect memory corruption?
5. Design a system which has UI which takes either an array of char's or integers , and a sorting algorithm(e.g. quick sort, merge sort) it sorts the array

passed based on the algorithm passed. Answer Hint: Use Template Function and Algorithm Factory

### Technical Round 3

1. Declare = operator for a class. 2. Why = operator has to return a reference why cannot it be void.
3. Explain how a mobile browser application works.
4. What is placement syntax?
5. Can a constructor be virtual?
6. How do you prevent developer allocating memory for a class in heap (that is using new)
7. How do you prevent developer from allocating memory for a class in Stack?