java

1. Write a dictionary class? Each entry should have a word and a definition. Do not use any collections in java to store data.
2. What kind of problem will you have when you use recursive function?
3. Inner / nested class
4. Explain static key word, final key word
5. Multithread questions. Atomic volatile. Thread safety. Difference between notify and notifyall. What will happen if you have multiple threads waiting in both cases?
6. Lock unlock.
7. Explain three kinds of design patterns. Draw diagrams.
8. Hashcode, how hash works, rehashing, how to identify two objects if they have the same hashcode.
9. Garbage collector. How it works?
10. Stack, heap. (He wrote a program and asked me to identify where everything was stored. )
11. What’s memory leak? Will java have memory leaks? When?
12. Exception. Hierarchy. Can you catch unchecked exception? Can you extend from unchecked exception and catch that? How to create your own exception?

Android

1. What’s a view/frame/fragment/service/intent?
2. Previous android project.