Hi ,

Things for Oracle, based on my memory.

First round:

Aptitude: Work and time problems, speed and distance problems etc

Programming: Debugging, guess the output

Advanced Round:

It will be a one on one interview, usually two rounds one technical and one HR based.

Possible topics that can be asked:

Data structures:

Stack

Queue

Array

Link list

Circular link list

Double link list

Binary search tree

Binary Tree

Hash Maps (Definitely if you are a java programmer)

Algorithms:

DFS

BFS

sorting algorithms (quick sort, merge sort).

If your students are writing code ask them to talk about complexity. That always tells the interviewer you understand the process.

Knowledge based questions:

SQL (Database):

Joins (Inner,outer,left,right)

OOPS concept (class,encapsulation, hiding, polymorphisim etc)

Other Java related questions like:

a) How does a garbage collector work

b) What is the difference between abstract class and interface (etc)

Here is a good link for all Java knowledge based questions [**http://www.tutorialspoint.com/java/java\_interview\_questions.htm**](http://www.tutorialspoint.com/java/java_interview_questions.htm)

HR round

a) Challenges you faced in your project etc.

b) Why this job (definite question)

I guess if you have these topics covered you should have a great chance of nailing the interview.