NorthBay Solutions

OOP:

1. What is inheritance?
2. Why we do inheritance, can we use composition instead?
3. What is an abstract class?
4. Differ between interface and abstract class.
5. Function of virtual keyword.
6. What is early and late binding?
7. Is late binding achievable without Virtual methods?
8. Polymorphism?
9. Overriding, overloading and its link with Virtual methods?

DSA:

1. What is hashing?
2. Purpose of hashing?
3. What is serialization?
4. Why do we do serialization?
5. Procedure of serialization?
6. What are data structures?
7. What is Stack and Heap?

OS:

1. What is the difference between program, process and thread?
2. Why we do threading?
3. What is Main memory, how it works?
4. Can the size of stack for a process can increase?
5. What are sockets, how they work?

DB:

1. What is indexing?
2. How indexing makes searching fast?
3. What is the main pillar of data science?
4. Joins and its types?
5. How joins work, give examples (especially self-join)?

FYP:

1. Which tool are you using and why?
2. A little bit about the tools.
3. Why have you chosen this project?

At the end you will be asked to write a simple code (like in my case: getting the second largest number from a list)

Try to be as much logical as you can

They will ask about those things only

which you use in answering their question

Communication matters (a lot)

Simply be confident

Best Of Luck :)