1. What are the limitations of the ArrayList?

The arraylist size cant be greater than the 232. If we try to access the arraylist with the index that is greater than that value it is going to throw the OutOfMemory Exception.

1. How the HashMap works internally?
2. Write a program for the Binary Sort?
3. Write a program to print the numbers in words

There are two solutions:

1. One is finding it only using the arithmetic expressions
2. Converting the number into String and then finding out the the positions using the index of string

If it is in 5th place then it is in the range of thousands

If in 3rd place then it is in hundreds.

1. Design the ATM machine and tell at which point you are going to use which technologies
2. How do you implement security in ATM
3. Program to find the largest non-repeating sub string in the string

Eg: abdhhbhioj

Abdh,bdh,dh,hb,bhioj

Since the string bhioj contains non-repeating characters and the length is greater than the other strings, bhioj should be the output.

1. Program to find the perfect number
2. Reverse the words in a string
3. Program to convert the first character in each word to the uppercase

Input: I am in train

Output: I Am In Train

1. Why Rest?
2. Difference between Rest and Soap
3. Why Hibernate?
4. Benefits of Hibernate
5. Do we maintain session if we use the third party API in that API

**ADP**

1. How do you test the Rest API

Using Rest Clients like poster, postman etc

1. Program to write using the @PathParam and @Queryparam
2. Program to find the numbers for which their sum is equal to 6

Eg: 123,34,56,87

Here the output should be 123(1+2+3=5 and 87(8+7=15(1+5)=6)

1. Different annotations you use in Hibernate
2. Caching in Hibernate
3. Lazy fetch and Eager Fetch in Hibernate
4. Cascading in Hibernate
5. Associations in hibernate
6. Join Query in Hibernate
7. Criteria and Named queries
8. When do you use Criteria and HQL?
9. Performance for native sql, Named Queries, HQL and Criterias
10. Difference between persist and save
11. Difference between get and load