1. Explain JVM,JRE and JDK
2. How memory is managed in Java.
3. What is the difference between c++ and java
4. What is byte Code
5. Class path
6. JVM platform independent or not? Explain
7. How many JVM will come if I run multiple java programs
8. If we have JRE can we compile a program?
9. Difference between if and if else ladder
10. Break continue
11. Is it possible override main() can override?
12. Explain Runtime polymorphism with suitable example
13. Explain function overriding with suitable example
14. Difference between overloading and overriding?
15. What is collection framework, list down some classes and interface
16. What is the difference between list and queue in collections
17. methods in collection classes and their differences
18. what is exception and use of try and catch block
19. Example for exception
20. Exception handling ? keywords in exception handling ?
21. Can we use multiple catch block for one try block?
22. program to implement exception
23. What do you mean by Multithreading?
24. What is thread ? when exception should be handled in thread
25. Why we use Exception Handling in Thread
26. thread start() and run() method call difference
27. what happens if we call run method directly
28. Difference between throw and throws keyword
29. Explain Dead Lock
30. What is Serialization
31. Explain static keyword with example
32. Explain the use of final keyword with suitable program
33. Steps to connecting with DB
34. What is the DB drivers available in Java
35. Why we use relational database what is the purpose
36. What is the difference between primary key and unique key
37. Final, Finalize, finally ?use and difference?
38. What is Inheritance, Advantage of using Inheritance? Scenario for implementing Inheritance?
39. Multilevel Inheritance example program?
40. why we can't implement multiple inheritance
41. What inheritance is not directly available in java? How can we overcome it?
42. How to compare two strings?
43. Difference Between String, String Buffer and String builder class
44. Difference between compareTo(), equals() and == operators
45. What do you know about Object class.
46. can we use final keyword before constructor
47. Methods you know in Object class.
48. What is Pass by value and Pass by ref?
49. What is class and object? with suitable use cases
50. Explain all OOPS features with Realtime Example
51. Why we use serializable in java
52. What happened if we use multiple program in one thread
53. Can we make variable restricted to outside the class? how?

54. How can we optimize the coding?
55. How to achieve abstraction
56. Access modifiers
57. What is casting? up casting and down casting ?

58. Java Program to find the largest and smallest word in a string.
59. Program to generate triangle pyramid
60. program to sort and print the largest element
61. Pass a paragraph into a method, find lengthiest word in that string, return that word
62. Switch case program for addition '+'   '-' '*'. '/'
63. Write a program to reverse the String
64. program to concat all the string in an array
65. Write a program to prepare student mark statement details.
66. Write a program to find odd and even in array
67. program to check whether given string is palindrome or not
68. Program: Take a paragraph and a string as parameters of a method, find the no pf occurrences of that word in the paragraph.

https://www.geeksforgeeks.org/jdbc-drivers/

https://www.javatpoint.com/java-program-to-find-the-largest-and-smallest-word-in-a-string

https://www.javatpoint.com/java-bytecode#:~:text=Java%20bytecode%20is%20the%20instruction,in%20the%20form%20of%20a%20.

https://javarevisited.blogspot.com/2012/03/difference-between-start-and-run-method.html#axzz71K3XPMeV
https://www.geeksforgeeks.org/why-a-constructor-can-not-be-final-static-or-abstract-in-java/
https://www.geeksforgeeks.org/12-tips-to-optimize-java-code-performance/#:~:text=%2012%20Tips%20to%20Optimize%20Java%20Code%20Performance,object%20created%20of%20String%20cannot%20be...%20More%20
https://www.includehelp.com/java/can-we-override-main()-method-in-java.aspx#:~:text=No%2C%20we%20can%27t%20override%20the%20main%20%28%29%20method,will%20be%20different%20in%20parent%20and%20child%20class.

https://www.javatpoint.com/inheritance-in-java

Program

Pass a paragraph into a method, find lengthiest word in that string
Return that word

```
import java.util*;

public class StringOperation {

    public static void main(String [] args) {
            String para = "";
            Scanner scanner = new Scanner(System.in);
            System.out.println("Enter a paragraph");
            para = scanner.nextLine();
            System.out.println("Lengthiest word is " + findLengthiestWord(para));

    }
```

```
		public static String findLengthiestWord(String para) {
				String word [] = new String [100];
				word [] = para.split(0);
				String temp = word[0];
				for(int i = 1; i<word.lenth; i++) {
						if(word[i].length() > temp.length()) {
								temp = word[i+1];
						}
				}
				return temp;
		}
	}
```

•1

```
class A {

public void display() {
System.out.println("Im from clas A"); }

}

class B extends A {
public void display() {

System.out.println("Im from clas B Overridding");

}

public static void main(String[] args) {
A obj1 = new B(); // which class object obj1 get created? A or B? obj1.display();

}
```

•2

Pyramid =>

```
class PyramidDemo {
public static void main(String[] args) {

int limit = 5;

PyramidDemo.PrintPyramid(limit);
```

we do without method bellow 5 ?

```
}
public static void PrintPyramid(int limit) {

for(int i = 1 ; i <= limit ; i++) {
for(int k = limit - i ; k >= 0 ; k--) {

System.out.print(" "); }
here?

// Why did you use method, can

//why did you use static method

//What is the use of this loop? //Why limit - i?

} }

/* *

** *** ****

*/

1)]);

} }

for(intj=1;j<=i;j++){ //Whatistheuseofthisloop? System.out.print("* ");

} System.out.println(); }
```

•3

```
class SortDemo {

public static void main(String[] args) { int arr[] = {5, 8, 1, 10, 15, 2}

SortDemo.getLargest(arr);

}
public static void getLargest(int[] arr) {

for (int i = 0; i < arr.length ; i++) {
for (int j = 0; j < arr.length ; j++) {

} }

if(arr[i] < arr[j]) {
int temp = arr[j];

arr[j] = arr[i];

arr[i] = temp; }

System.out.println("The largest element in the array is : "+ arr[(arr.length -
```

• 4

Are comfortable with string operations?

```
String s1="string";
String s2="string";
String s3="ring";
String s4="swing"; System.out.println(s1.compareTo(s2)); System.out.println(s1.compareTo(s3));
System.out.println(s1.compareTo(s4));
```

Showed this pgm & asked what is the output? o/p
0
1

-3

Program: Take a paragraph and a string as parameters of a method, find the no pf occurrences of that word in the paragraph.

```
class Duplicate {
public static void main(String ar[]) {

String paragraph = "This is a test and this is a programme";
String duplicateWord = "is";
int count = occurence(paragraph,duplicateWord); System.out.println("Occurence of " +
duplicateWord + " is: " + count);

}
public static int occurence(String para, String aWord) {

String words[] = para.split("\\s"); int count=0;
for(int i=0;i<words.length;i++) {

if(aWord.equals(words[i])) { count ++;
}

}

return count; }

}
```