1. What do you mean by an Array?

Ans - An array is a collection of elements of the same data type, stored in contiguous memory locations, and accessed using an index.

2. How to Create an Array?

Ans - Create an array using the syntax: `DataType[] arrayName = new DataType[arraySize];`

3. Can we change the size of an array at runtime?

Ans - No, in Java, the size of an array is fixed after creation.

4. Can you declare an array without assigning the size of an array?

Ans - No, in Java, you need to specify the size of the array during declaration.

5. What is the Default Value of an Array?

Ans - The default value for numeric types (like `int`, `double`) is 0, and for object types (like `String`), it's `null`.

6. What is a 1D array with an example?

Ans - A 1D array is a linear collection of elements. Example: `int[] numbers = {10, 20, 30};`

7. Write a program for a 2D array.

Ans –

public class TwoDArrayExample {

public static void main(String[] args) {

int[][] matrix = {

{1, 2, 3},

{4, 5, 6},

{7, 8, 9}

};

}

}