2D Array Questions with Solutions - Java

1. Matrix Print (2D array ko print karo)

```java
int[][] arr = {
    {1, 2, 3},
    {4, 5, 6},
    {7, 8, 9}
};

for (int i = 0; i < arr.length; i++) {
    for (int j = 0; j < arr[i].length; j++) {
        System.out.print(arr[i][j] + " ");
    }
    System.out.println();
}
```

2. Sum of All Elements (Poore matrix ka sum nikaalo)

```java
int sum = 0;
for (int i = 0; i < arr.length; i++) {
    for (int j = 0; j < arr[i].length; j++) {
        sum += arr[i][j];
    }
}
System.out.println("Total Sum: " + sum);
```

3. Row-wise Sum (Har row ka sum print karo)

```java
for (int i = 0; i < arr.length; i++) {
    int rowSum = 0;
    for (int j = 0; j < arr[i].length; j++) {
        rowSum += arr[i][j];
    }
    System.out.println("Sum of Row " + i + ": " + rowSum);
}
```

4. Column-wise Sum (Har column ka sum print karo)

```java
for (int j = 0; j < arr[0].length; j++) {
    int colSum = 0;
    for (int i = 0; i < arr.length; i++) {
        colSum += arr[i][j];
    }
    System.out.println("Sum of Column " + j + ": " + colSum);
}
```

5. Maximum Element (Matrix ka sabse bada element find karo)

```java
int max = arr[0][0];
for (int i = 0; i < arr.length; i++) {
```

```
    for (int j = 0; j < arr[i].length; j++) {
        if (arr[i][j] > max) {
            max = arr[i][j];
        }
    }
}
System.out.println("Maximum element: " + max);
```

6. Minimum Element (Matrix ka sabse chhota element find karo)

```
int min = arr[0][0];
for (int i = 0; i < arr.length; i++) {
    for (int j = 0; j < arr[i].length; j++) {
        if (arr[i][j] < min) {
            min = arr[i][j];
        }
    }
}
System.out.println("Minimum element: " + min);
```