Practical 23

Aim : Write a generic method that returns the minimum elements in a two dimensional array.

Code :

```
import java.util.*;


class Practical23
{
	public static void main(String[] args)
	{
		Integer[][] a = new Integer[3][3];
		int value=0;
		Scanner input = new Scanner(System.in);
		System.out.println("Enter the elements in 3 * 3 matrix");

		for (int i=0;i<a.length;i++){
			for (int j=0;j<a[i].length;j++){
				value=input.nextInt();
				a[i][j]= value;
			}
		}

		System.out.println("Minimum value is : "+ min(a));
	}

	public static <E extends Comparable <E>> E min(E[][] list)
	{
		E min = list[0][0];

		for (E[] elements: list){
```

```
                    for (E element: elements){
                        if (element.compareTo(min )< 0 ){
                            min = element;


        }
        }
            }
            return min;


        }
}
```

Output :

```
C:\Users\SI\OneDrive\Desktop\BE SEM 4\05_ OBJECT ORRIENTED PROGRAMMING -1\220133107008>javac Practical23.java

C:\Users\SI\OneDrive\Desktop\BE SEM 4\05_ OBJECT ORRIENTED PROGRAMMING -1\220133107008>java Practical23
Enter the elements in 3 * 3 matrix
1 2 3
4 5 6
7 8 9
Minimum value is : 1
```