Practical 22

Aim : Write a recursive method that returns the smallest integer in an array. Write a test program that prompts the user to enter an integer and display its product.

Code :

```
import java.util.*;


class Practical22{


	public static void main(String[] args)
	{
		Scanner v = new Scanner(System.in);


		System.out.println("Enter elements  : ");
		int[] a=new int[5];
		for(int i=0;i<a.length;i++){
			a[i]=v.nextInt();
		}


		int n = MinValue(a,0);


		System.out.println("\nThe minimum value from the array is = "+n);


		System.out.println("Enter an integer");


		int num=v.nextInt();


		System.out.println("The multiplication of "+n+" and "+num+" is :
"+(num*n));
	}
```

```
    public static int MinValue(int [] a,int i){

        if(i== a.length-1)
            return a[i];
        int val=MinValue(a,i+1);

        if(a[i]<val)
            return a[i];
        else
            return val;
        }
}
```