

实验六三个题放一起

```
import java.util.Scanner;

public class 实验六 {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        int temp = 0;

        System.out.println("请输入第一个整数");

        int a = scanner.nextInt();

        System.out.println("请输入第二个整数");

        int b = scanner.nextInt();

        if (a > b)

{
```



f2c3fe0ae3288fc9b6e758f632061568.mp4

```
        temp = b;

    } else {

        temp = a;

    }

    while (temp>0) {

        if (a % temp == 0 && b % temp == 0) {

            break;
```

```

        }
        temp--;
    }

    System.out.println("最大公约数为" + temp);
    int numMax = 0;
    numMax = ((a / temp) * (b / temp)*temp);
    System.out.println("最小公倍数为" + numMax);
    System.out.println("-----");
    int[] arr = new int[5];
    Scanner sc = new Scanner(System.in);
    for (int i = 0; i < arr.length; i++) {
        System.out.println("请输入一个整数:");
        int num = sc.nextInt();
        arr[i] = num;
    }
    System.out.print("遍历结果是: ");
    for (int i = 0; i < arr.length; i++) {
        System.out.print(arr[i] + " ");
    }
}
}

```

