

```
// result calculator

class details
{
    String name,res;
    int rno,m1,m2,m3,m4,total;
    double per;
    void getdata()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter students name and roll no ");
        name =sc.nextLine();
        rno=sc.nextInt();
        System.out.println("Enter marks 1,2,3 and 4 respectively");
        m1=sc.nextInt();
        m2=sc.nextInt();
        m3=sc.nextInt();
        m4=sc.nextInt();
    }
    void calc()
    {
        total= m1+m2+m3+m4;
        per= (total)*100/400;
        if (per>=40)
        {
            res= "Pass";
        }
        else
        {
            res= "Fail";
        }
    }
    void result()
    {
        System.out.println(rno+"\t"+name+"\t"  "+m1+"  "+m2+"  "+m3+"
"+m4+"  "+total+"  "+per+"  \t\t"+res);
    }
}

public class april16arrayofobjects
{
    public static void main(String[] args)
    {
        details d[]= new details[3];
        for (int i=0; i<=2; i++)
        {
            d[i] = new details();
            System.out.println("Details of student "+(i+1));
            d[i].getdata();
            d[i].calc();
        }
        System.out.println("Roll.no   Name      M1   M2   M3   M4   Total
Percentage  Result");
        for (int i=0; i<=2; i++)
        {
            d[i].result();
        }
    }
}
```