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import java.util.*;
class Student
{
    Scanner sc = new Scanner(System.in);
    int S_id;
    String S_name;
    int S_sem;
    int m1,m2,m3,m4,m5;
    int sum()
    {
        int sum=0;
        sum=m1+m2+m3+m4+m5;
        return sum;
    }
    float per()
    {
        float per=0;
        per=(sum()*100)/500;
        return per;
    }
    char greade()
    {
        char ger;
        if(per()>=70){
            ger='A';
        }
        else if (per()>=60 && per()<70){
            ger='B';
        }
        else if (per()>=50 && per()<60){
            ger='B';
        }
        else{
            ger='D';
        }
        return ger;
    }
    void getdata()
    {
        System.out.printf("enter student id = ");
        S_id = sc.nextInt();
        System.out.printf("enter student name = ");
        S_name = sc.next();
        System.out.printf("enter student semester = ");
        S_sem = sc.nextInt();
        System.out.printf("enter marks of sub 1 ");
        m1 = sc.nextInt();
        System.out.printf("enter marks of sub 2 ");
        m2 = sc.nextInt();
        System.out.printf("enter marks of sub 3 ");
        m3 = sc.nextInt();
        System.out.printf("enter marks of sub 4 ");
    }
}

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        m4 = sc.nextInt();
        System.out.printf("enter marks of sub 5 ");
        m5 = sc.nextInt();
        System.out.println();
    }
    void marksheet() {
        System.out.println("=====");
        System.out.println("student id = "+S_id);
        System.out.println("student name = "+S_name);
        System.out.println("student semester = "+S_sem);
        System.out.println("-----");
        System.out.println("sub 1 : "+m1);
        System.out.println("sub 2 : "+m2);
        System.out.println("sub 3 : "+m3);
        System.out.println("sub 4 : "+m4);
        System.out.println("sub 5 : "+m5);
        System.out.println("-----");
        System.out.println("total marks is = "+sum());
        System.out.println("percentage is = "+per());
        System.out.println("greade is = "+greade());
        System.out.println("=====");
        System.out.println();
    }
}
class P2
{
    public static void main(String args[])
    {
        Student s1 = new Student();
        /*Student s2 = new Student();
        Student s3 = new Student();
        Student s4 = new Student();
        Student s5 = new Student();*/
        s1.getdata();
        s1.marksheet();
        /*s2.getdata();
        s2.marksheet();
        s3.getdata();
        s3.marksheet();
        s4.getdata();
        s4.marksheet();
        s5.getdata();
        s5.marksheet();*/
    }
}

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