

**PROGRAM:**

To make entry of 5 subjects, restrict to enter more than 100 marks for a subject, use of for, if, Scanner etc.

```
import java.util.Scanner;
```

```
public class CheckForFailUsingIf {
```

```
    public static void main(String args[])
```

```
    {
```

```
        int noOfStudents, i,j,marks, sum=0, percent;
```

```
        System.out.println("Please Enter number of students");
```

```
        Scanner s1 = new Scanner(System.in);
```

```
        noOfStudents = s1.nextInt();
```

```
        System.out.println("Entered students are = "+noOfStudents);
```

```
        for(i=1; i<=noOfStudents; i++)
```

```
        {
```

```
            System.out.println("Enter" +i+ "students marks");
```

```
            System.out.println("_____");
```

```
            for(j=1; j<=5; j++)
```

```
            {
```

```
                System.out.println("Enter" +j+ "subject marks");
```

```
                marks = s1.nextInt();
```

```
                sum =sum + marks;
```

```
                if(marks < 33)
```

```
                {
```

```
                    if(j ==1)
```

```
                    {
```

```
                        System.out.println("You are fail in Hindi");
```

```
    }
    if(j ==2)
    {
        System.out.println("You are fail in Hindi");
    }
    if(j ==3)
    {
        System.out.println("You are fail in Hindi");
    }
    if(j ==4)
    {
        System.out.println("You are fail in Hindi");
    }
    if(j ==5)
    {
        System.out.println("You are fail in Hindi");
    }
}

}

System.out.println("Sum of marks =" + sum);
percent = sum/5;
System.out.println("Your percentage = " +percent);

if(percent > 90)
{
    System.out.println("Your grade is = A+");
}

if(percent <= 90 && percent >80)
{
    System.out.println("Your grade is = A");
}
```

```
    }

    if(percent <= 80 && percent >70)
    {
        System.out.println("Your grade is = B+");
    }

    if(percent <= 70 && percent >60)
    {
        System.out.println("Your grade is = B");
    }

    if(percent <= 60 && percent >50)
    {
        System.out.println("Your grade is = C+");
    }

    if(percent <= 50 && percent >40)
    {
        System.out.println("Your grade is = C");
    }

    if(percent <= 40)
    {
        System.out.println("Your grade is = D");
    }

    sum = 0;
    System.out.println("_____");
}

}

}
```

OUTPUT:

Please Enter number of students

2

Entered students are = 2

Enter1students marks

---

Enter1subject marks

50

Enter2subject marks

40

Enter3subject marks

60

Enter4subject marks

80

Enter5subject marks

70

Sum of marks =300

Your percentage = 60

Your grade is = C+

---

Enter2students marks

---

Enter1subject marks

20

You are fail in Hindi

Enter2subject marks

40

Enter3subject marks

50

Enter4subject marks

60

Enter 5 subject marks

40

Sum of marks = 210

Your percentage = 42

Your grade is = C

---

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