

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

```
public class Main {
```

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

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

```
        System.out.println ("Enter CIE marks out of 50:");  
        double cie = scan.nextDouble();
```

```
        System.out.println ("Enter SEE marks out of 100:");  
        double sec = scan.nextDouble();
```

```
        double percentage = cie + (sec/2);
```

```
        if (percentage >= 90) {
```

```
            System.out.println ("Excellent : Grade S");  
        }
```

```
        else if (percentage < 90 && percentage >= 80) {
```

```
            System.out.println ("Very Good : Grade A");  
        }
```

```
        else if (percentage < 80 && percentage >= 70) {
```

```
            System.out.println ("Good : Grade B");  
        }
```

```
        else if (percentage < 70 && percentage >= 60) {
```

```
            System.out.println ("Satisfactory : Grade C");  
        }
```

```
        else if (percentage < 60 && percentage >= 50) {
```

```
            System.out.println ("Work Hard : Grade D");  
        }
```

```
    }
```

```
else if (percentage < 50 && percentage >= 40) {  
    System.out.println("Just Passed: Grade E");  
}
```

```
else {  
    System.out.println("Failed!");  
}
```

```
}
```