- 1. Write a program to calculate student grade based on below rules:
  - A. 90 to 100 -> Grade A
  - B. 80 to 90 -> Grade B
  - C. 70 to 80 -> Grade C
  - D. Failure.

## Code:

```
object Students_grade {
    def main(arg:Array[String]): Unit = {
        calculate_grade(80)
    }
    def calculate_grade(percentage:Int): Unit = {
        if(percentage > 90 && percentage <= 100) {
            println("Grade A")
        }
        else if(percentage > 80 && percentage <= 90) {
            println("Grade B")
        }
        else if(percentage > 70 && percentage <= 80) {
            println("Grade C")
        }
        else {
            println("Failure")
        }
    }
}</pre>
```

```
| Effect | Vew | Bioight | Code | Analyze | Band | Run | Sools | VCS | Window | Help | untitled | Students, gradescale | Level | Leve
```

2. Write a Program to calculate maximum % scored student report from below data.

```
{id:101,name:raj,cmarks:45,pmarks:55,mmarks:67} 
{id:102,name:rajesh,cmarks:65,pmarks:85,mmarks:77}
```

```
{id:103,name:suraj,cmarks:43,pmarks:55,mmarks:60} {id:104,name:tom,cmarks:71,pmarks:65,mmarks:70}
```

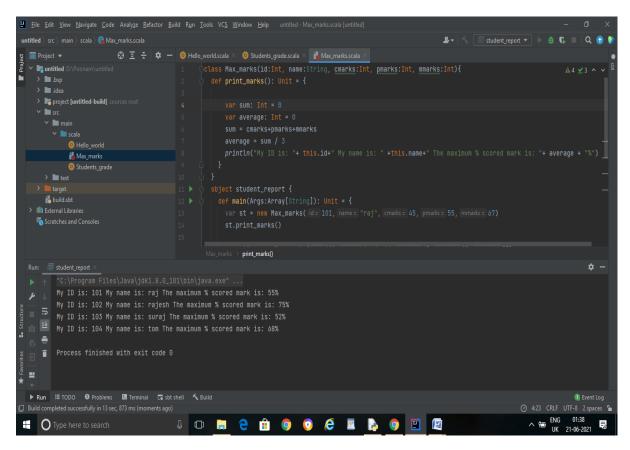
## Code:

```
class Max_marks (id:Int, name:String, cmarks:Int, pmarks:Int, mmarks:Int){
    def print_marks(): Unit = {
        var sum: Int = 0
        sum = cmarks+pmarks+mmarks
        average = sum / 3
        printInt("My ID is: "+ this.id+" My name is: " +this.name+" The maximum % scored mark is: "+ average +
        "%")
        }
    }
    object student_report {
        def main(Args:Array[String]): Unit = {
            var st = new maximum_marks(101, "raj", 45,55,67)
            st.print_marks()

        var st1 = new maximum_marks(102, "rajesh", 65,85,77)
        st1.print_marks()

        var st2 = new maximum_marks(103, "suraj", 43,55,60)
        st2.print_marks()

        var st3 = new maximum_marks(104, "tom", 71,65,70)
        st3.print_marks()
    }
}
```



3. Write a program	to perform	sorting o	of below	data b	based	on ic	l and	name(	create	class,
object and a method	l for sorting	g in util cl	lass)							

{id:101,name:raj}
{id:121,name:rajesh}
{id:130,name:suraj}
{id:114,name:tom}

Code: