```
(1,Robin,22,25000,sales )
(2,BOB,23,30000,sales)
(3,Maya,23,25000,sales )
(4,Sara,25,40000,sales)
(5,David,23,45000,sales )
(6,Maggy,22,35000,sales)
```

```
(1,Robin,22,25000,sales )
(2,Jaya,23,20000,admin )
(3,Maya,23,25000,sales )
(4,Alia,25,50000,admin )
(5,David,23,45000,sales )
(6,Omar,30,30000,admin)
```

The COGROUP operator groups the tuples from each relation according to age. Each group depicts a particular age value.

```
grunt> cogroup_data = COGROUP emp_sales by age, emp_bonus by age;
grunt> dump cogroup_data;
```

```
(22,{(6,Maggy,22,35000,sales),(1,Robin,22,25000,sales )},{(1,Robin,22,25000,sales )})
(23,{(5,David,23,45000,sales ),(3,Maya,23,25000,sales ),(2,BOB,23,30000,sales)},{(5,David,23,45000,sales ),(3,Maya,23,25000,sales ),(2
,Jaya,23,20000,admin )})
(25,{(4,Sara,25,40000,sales)},{(4,Alia,25,50000,admin )})
(30,{},{(6,Omar,30,30000,admin)})
```

The **IsEmpty()** function of Pig Latin is used to check if a bag or map is empty.

```
grunt> isempty_data = filter cogroup_data by IsEmpty(emp_sales);
grunt> dump isempty_data;
```

```
2018-03-04 03:03:23,050 [main] INFO  org.apache.pig.backend.hadoop.
(30,{},{(6,Omar,30,30000,admin)})
```