```
(101,Amitabh,20000,1,Bachan)
(102,Shahrukh,10000,2,khan)
(103,Akshay,11000,3,Kumar)
(104,Anubhav,5000,4,Thakoor)
(105,Pawan,2500,5,Kalyan)
(106,Aamir,25000,1,Khan)
(107,Salman,17500,2,Khan)
(108,Ranbir,14000,3,Kapoor)
(109,Katrina,1000,4,Kaif)
(110,Priyanka,2000,5,Chopra)
(111,Tushar,500,1,Singh)
(112,Ajay,5000,2,Rathod)
(113,Jubeen,1000,1,Malhotra)
(114,Madhuri,2000,2,Dixit)
```

You can use the **SUM()** function of Pig Latin to get the total of the numeric values of a column in a single-column bag. While computing the total, the **SUM()** function ignores the NULL values.

Note –

- To get the global sum value, we need to perform a **Group All** operation, and calculate the sum value using the SUM() function.

- To get the sum value of a group, we need to group it using the **Group By** operator and proceed with the sum function.

Syntax

Given below is the syntax of the **SUM()** function.

```
grunt> SUM(expression)
```

```
grunt> describe emp_details;
emp_details: {id: int,fname: chararray,salary: int,rating: int,lname: chararray}
grunt> emp_sum = foreach emp_group GENERATE(emp_details.fname,emp_details.salary), SUM(emp_details);
2018-03-04 00:14:20,631 [main] ERROR org.apache.pig.tools.grunt.Grunt - ERROR 1045:
<line 5, column 76> Could not infer the matching function for org.apache.pig.builtin.SUM as multiple or none of them fit. Pl
n explicit cast.
Details at logfile: /home/acadgild/pig/pig_1520100725106.log
grunt> emp_sum = foreach emp_group GENERATE(emp_details.fname,emp_details.salary), SUM(emp_details.salary);
grunt> dump emp_sum;
```

2018-03-04 00:16:57,661 [main] INFO org.apache.hadoop.metrics.jvm.JvmMetrics - Cannot initialize JVM Metrics with processName=JobTracker, sessionId= - already initialized
2018-03-04 00:16:57,666 [main] INFO org.apache.hadoop.metrics.jvm.JvmMetrics - Cannot initialize JVM Metrics with processName=JobTracker, sessionId= - already initialized
2018-03-04 00:16:57,671 [main] INFO org.apache.hadoop.metrics.jvm.JvmMetrics - Cannot initialize JVM Metrics with processName=JobTracker, sessionId= - already initialized
2018-03-04 00:16:57,682 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.MapReduceLauncher - Success!
2018-03-04 00:16:57,684 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - io.bytes.per.checksum is deprecated. Instead, use dfs.bytes-per-checksum
2018-03-04 00:16:57,684 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.defaultFS
2018-03-04 00:16:57,684 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - mapreduce.job.counters.limit is deprecated. Instead, use mapreduce.job.counters.max
2018-03-04 00:16:57,684 [main] WARN org.apache.pig.data.SchemaTupleBackend - SchemaTupleBackend has already been initialized
2018-03-04 00:16:57,705 [main] INFO org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input paths to process : 1
2018-03-04 00:16:57,705 [main] INFO org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input paths to process : 1
(({(Madhuri),(Jubeen),(Ajay),(Tushar),(Priyanka),(Katrina),(Ranbir),(Salman),(Aamir),(Pawan),(Anubhav),(Akshay),(Shahrukh),(Amitabh)},
{(2000),(1000),(5000),(500),(2000),(1000),(14000),(17500),(25000),(2500),(5000),(11000),(10000),(20000)}),116500)