**Question:-**



**Solution:-**

First we need to register piggybank.jar



We have created reference named A below and we have loaded the file DelayedFilights.csv and we have loaded it using **CSVExcelStorage()** function. Now relation is referring the file named **DelayedFlights.csv**.



Totally there are 29 columns in DelayedFlights.csv. We can call them as $0 to $28 depending on the column position. Here we took 3 columns and named $2 as month, $22 as cancelled, $23 as cancelcode. Now we have **typecasted.** For each and every row of A, these 3 columns will be generated(retrieved) and it will be referred by **B**.



We have filtered relation B by **cancelled as 1** and **cancelcode as ‘B’** (Bad Weather) and is referred by **relation C**.



Now we have grouped relation **C** by month($2) column and Is referred by **D**.



Now for each group in D, we are counting the number of cancelled trips. So that we can get the no of cancellations for every month and is **referred by relation E.**



Now we have ordered relation E by $1 (count of cancellations for every month) in **descending order** and is referred by relation F.



Now we have retrieved the first row of F because we need the month that has **most number of cancellations.**



We have loaded the file that is referred by Relation G using **dump command.**



**OUTPUT:-**

