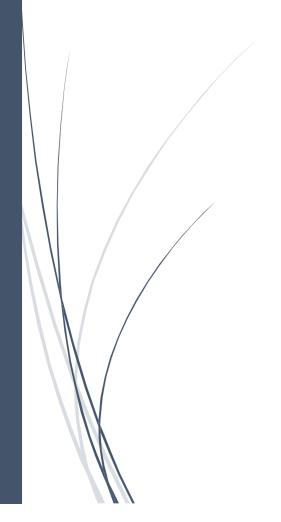
Pig Programs



1. Write a program to filter data by city.

```
pig script filter.pig
```

```
student_details = LOAD '/home/msrit/Downloads/pig/test/Filter/student_details.txt'
USING PigStorage(',') as (id:int, firstname:chararray, lastname:chararray, age:int,
phone:chararray, city:chararray);
filter_data = FILTER student_details BY city == 'Chennai';
Dump filter_data;
```

2. Write a program to group students by age.

pig_script_grouping.pig

```
student = LOAD '/home/msrit/Downloads/pig/test/Grouping/student_details.txt' USING
PigStorage(',') as (id:int, firstname:chararray, lastname:chararray, age:int,
phone:chararray, city:chararray);
group_data = GROUP student by age;
Dump group_data;
```

3. Write a program to join 2 tables by id and order by customer_id pig_script_joining.pig

```
customers = LOAD '/home/msrit/Downloads/pig/test/Joining/customer.txt' USING
PigStorage(',') as (id:int, name:chararray, age:int, address:chararray,
salary:int);

orders = LOAD '/home/msrit/Downloads/pig/test/Joining/order.txt' USING
PigStorage(',') as (oid:int, date:chararray, customer_id:int, amount:int);
join_result = JOIN customers BY id, orders BY customer_id;
Dump join_result
```

4. Write a program to sort student by age in descending order and limit the results to a maximum of 4 records.

pig_script_sorting.pig

```
student = LOAD '/home/msrit/Downloads/pig/test/Sorting/student_details.txt' USING
PigStorage(',') as (id:int, firstname:chararray, lastname:chararray, age:int,
phone:chararray, city:chararray);
student_order = ORDER student BY age DESC;
student_limit = LIMIT student_order 4;
Dump student_limit;
```

5. Write a program to create a union between 2 tables.

pig_script_union.pig

```
cust1 = LOAD '/home/msrit/Downloads/pig/test/Union/customer1.txt' USING
PigStorage(',') as (id:int, firstname:chararray, lastname:chararray,
phone:chararray, city:chararray);

cust2 = LOAD '/home/msrit/Downloads/pig/test/Union/customer2.txt' USING
PigStorage(',') as (id:int, firstname:chararray, lastname:chararray,
phone:chararray, city:chararray);

cust = UNION cust1, cust2;

Dump cust
```