**AIM: To write a PIG scripting program to find which months are suitable for various crops in India.**

**PROGRAM:**

data1 = load 'data' using PigStorage(',') as (month,season,avg\_temp:float);

data2 = laod 'data\_crop' using PigStorage(',') as (crop,avg\_suit\_temp:float);

cros = CROSS data1,data2;

filt = FILTER cros BY ABS(avg\_temp-avg\_suit\_temp)<=3.0;

gry = GROUP filt BY crop;

res = FOREACH gry GENERATE $0,$1.month;

dump res;

**INPUT:**

**dataset1:**

**month,season,avg\_temp**

jan,winter,23.8

Feb,winter,25.7

mar,summer,27.5

apr,summer,30.2

may,summer,32.4

jun,monsoon,31.8

jul,monsoon,29.7

aug,monsoon,29.0

sep,monsoon,28.9

oct,post-monsoon,27.8

nov,post-monsoon,25.8

dec,post-monsoon,24.3

**dataset2:**

**crop,avg\_suitable\_temp**

wheat,25

rice,30

millets,27

maize,22

groudnut,25

**OUTPUT:**

