PIG HomeWork

3)

dump f;

({(Saeed,20),(Saeed,5),(Saeed,5),(Saeed,10),(Saeed,1),(Saeed,1),(Saeed,1),(Saeed,1),(Saeed,1),(Saeed,5),(Saeed,10),(Saeed,10),(Saeed,10)})

({(Steve,1),(Steve,1),(Steve,1),(Steve,1),(Steve,1),(Steve,5),(Steve,10),(Steve,20),(Steve,10),(Steve,10),(Steve,10),(Steve,10)})

({(Mo,1),(Mo,1),(Mo,5),(Mo,1),(Mo,10),(Mo,5),(Mo,10),(Mo,20),(Mo,10),(Mo,20),(Mo,1),(Mo,1),(Mo,10),(Mo,10),(Mo,10)})

({(Todd,1),(Todd,1),(Todd,1),(Todd,1),(Todd,1),(Todd,5),(Todd,10),(Todd,20),(Todd,10),(Todd,10),(Todd,10),(Todd,10),(Todd,10),(Todd,10)})

({(Jon,1),(Jon,1),(Jon,1),(Jon,1),(Jon,1),(Jon,5),(Jon,10),(Jon,20),(Jon,10),(Jon,10),(Jon,10),(Jon,10),(Jon,5),(Jon,20),(Jon,1)})

g = foreach f generate flatten($0);

grunt> dump g;

(Saeed,20)

(Saeed,5)

(Saeed,5)

(Saeed,10)

(Saeed,1)

(Saeed,1)

(Saeed,1)

(Saeed,1)

(Saeed,1)

(Saeed,5)

(Saeed,10)

(Saeed,10)

(Saeed,10)

(Steve,1)

(Steve,1)

(Steve,1)

(Steve,1)

(Steve,1)

(Steve,5)

(Steve,10)

(Steve,20)

(Steve,10)

(Steve,10)

(Steve,10)

(Steve,10)

(Mo,1)

(Mo,1)

(Mo,5)

(Mo,1)

(Mo,10)

(Mo,5)

(Mo,10)

(Mo,20)

(Mo,10)

(Mo,20)

(Mo,1)

(Mo,1)

(Mo,10)

(Mo,10)

(Mo,10)

(Todd,1)

(Todd,1)

(Todd,1)

(Todd,1)

(Todd,1)

(Todd,5)

(Todd,10)

(Todd,20)

(Todd,10)

(Todd,10)

(Todd,10)

(Todd,10)

(Todd,10)

(Todd,10)

(Jon,1)

(Jon,1)

(Jon,1)

(Jon,1)

(Jon,1)

(Jon,5)

(Jon,10)

(Jon,20)

(Jon,10)

(Jon,10)

(Jon,10)

(Jon,10)

(Jon,5)

(Jon,20)

(Jon,1)

h = group g by $0;

grunt> dump h;

(Mo,{(Mo,1),(Mo,10),(Mo,10),(Mo,10),(Mo,1),(Mo,1),(Mo,20),(Mo,10),(Mo,20),(Mo,10),(Mo,5),(Mo,10),(Mo,1),(Mo,5),(Mo,1)})

(Jon,{(Jon,1),(Jon,1),(Jon,1),(Jon,1),(Jon,1),(Jon,1),(Jon,5),(Jon,10),(Jon,20),(Jon,10),(Jon,10),(Jon,10),(Jon,10),(Jon,5),(Jon,20)})

(Todd,{(Todd,1),(Todd,5),(Todd,10),(Todd,20),(Todd,10),(Todd,10),(Todd,10),(Todd,10),(Todd,10),(Todd,10),(Todd,1),(Todd,1),(Todd,1),(Todd,1)})

(Saeed,{(Saeed,10),(Saeed,5),(Saeed,1),(Saeed,1),(Saeed,1),(Saeed,1),(Saeed,1),(Saeed,10),(Saeed,5),(Saeed,5),(Saeed,20),(Saeed,10),(Saeed,10)})

(Steve,{(Steve,5),(Steve,10),(Steve,20),(Steve,10),(Steve,10),(Steve,10),(Steve,10),(Steve,1),(Steve,1),(Steve,1),(Steve,1),(Steve,1)})

grunt> describe h;

h: {group: chararray,g: {(null::Teller: chararray,null::Bills: float)}}

h: {group: chararray,g: {(null::Teller: chararray,null::Bills: float)}}

i = foreach h generate group,g.Bills;

grunt> dump i;

(Mo,{(1),(10),(10),(10),(1),(1),(20),(10),(20),(10),(5),(10),(1),(5),(1)})

(Jon,{(1),(1),(1),(1),(1),(1),(5),(10),(20),(10),(10),(10),(10),(5),(20)})

(Todd,{(1),(5),(10),(20),(10),(10),(10),(10),(10),(10),(1),(1),(1),(1)})

(Saeed,{(10),(5),(1),(1),(1),(1),(1),(10),(5),(5),(20),(10),(10)})

(Steve,{(5),(10),(20),(10),(10),(10),(10),(1),(1),(1),(1),(1)})

i: {group: chararray,{(null::Bills: float)}}