**Programs Running Flow Chart:**

Getparents.java  
(Internally calls the Split File.java program)

Splitfile.java

I/P: go.obo.txt

O/P: go-node-parents-mf.txt,  
go-node-parents-bp.txt, go-node-parents-cc.txt

Shortestpath.java  
I/P: go-node-parents-mf.txt (This is output file from above Getparents program), molecular-input.txt  
O/P: go-mf-shortestp.txt