LAB-07:

A wemappor java import java.io. IOE2(eption; import long apache hadoop io Inthinitable; import of apache hadoop io longwritable. import org, apache hadoop io test; import org. apache hadoop mapred mapper; impart of apache hadeop mapred output collection import and apache hadoop mapred Poparter; public class wemapper extends mapredurebase implements mapper < long Writable, Text, Text Int writable > { public void map Clong Writable Key, Text value output Collector (Text, In twitable > Couput, Reporter reporthrows To Exception E String line = value, to string (2); for (Duing word: line splitting) { detput (Olled (new Text (word), now Intwide de (1));

A wcReducer java import java io ToException; import gava util. Iterator; import org. a pache. hadop. io .Intwritable: import deg. apache. hadoop io Text; import org. apache, badop so maprel. MapRoduce Bou! proport of apache hadap mapred output (allector) import dry apoche. hadoop mapred Raducui, public class WCRoducer extends MapRoduceBase implements Reduce (Text, Int public word Reduce (Test key, I torator (Intaritable) valus, output alloctar ent (ount=0) while (value Next ()) Int Writable i= Value next (); output collect (key new Intwidable (count)); \$ WC Driver, java import java. io. ToException; import org. apache. hadap. conf. configured; import org. apache hadoop. Is Path, import org, apache hadoop lio . Intwritable; import org. apache hadop. io. Text; import org, apache. hadoop, mapred. File Input Found;

papergrid Date: / / import org, a pache, hadoop, mapred, File Output import org. apache hadoop maprod. Jobbay; import org. apache badoop util Tool: importaly apache hadoop etil Tool Runner; public class warrier extends configured implements Tool [public int run (string args []) throws To Exception (if (args. length (2) [Rythond out pointles ("Please girle Valid inputs'); return -1; job (on con = now Job con (Wr Driver, class) File Input format set Input Paths (conf new Path Corgs [0]); File output Romat Set Toput Paths (conf. new path (args [i])); Conj set mapper (lass (Wc Mapper, class); Cory Set Reduca Class (WiReduca Class); Conf. SetTap output Kay class (Toot, Class); Job client run Job (cox); roturs o; public Static void main (String angs))

throws Exception int exit (ode = Tool Runner (now well) Lyston out print in (exit (ode);