1. Write a Java program, to take an HDFS Path as input and display all the files and sub-directories in that HDFS path-

import java.io.IOException;

import org.apache.hadoop.conf.Configuration;

import org.apache.hadoop.fs.FileStatus;

import org.apache.hadoop.fs.FileSystem;

import org.apache.hadoop.fs.Path;

public class AllFilesInAPath

{

public static void listFiles(FileSystem fs) throws IOException

{

Path path = new Path("/user/acadgild" );

FileStatus[] status = fs.listStatus(path);

System.out.println("These are the files and directory present within : /user/acadgild/");

for(FileStatus st : status)

{

System.out.println(" "+st.getPath().toString());

}

}

public static void main(String args[]) throws IOException

{

Configuration conf = new Configuration();

conf.addResource(new Path("/usr/local/hadoop-2.6.0/etc/hadoop/core-site.xml"));

conf.addResource(new Path("/usr/local/hadoop-2.6.0/etc/hadoop/hdfs-site.xml"));

FileSystem fs = FileSystem.get(conf);

listFiles(fs);

fs.close();

}

}

2.