**import** java.io.\*;

**import** java.util.\*;

**public** **class** WelcomeClass {

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

File file = **new** File("E:\\Java Practice\\SimpliLearn\\project1\\FileCreation//");

String[] f\_list = file.list();

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("\*\*\*\*\*\*\*\* Application - LockedMe.com \*\*\*\*\*\*\*\*\*");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\* Trinadh Rao Boningi \*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("\*\*\*\*\*\*\*\*\*\* Full Stack Developer \*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println();

**char** ch;

**do** {

System.***out***.println("Choose the below option to perform the required operation on Files:");

System.***out***.println("1.File's List");

System.***out***.println("2.File Creation");

System.***out***.println("3.File Deletion");

System.***out***.println("4.File Searching");

System.***out***.println("5.Exit");

System.***out***.println();

**int** choice = sc.nextInt();

**switch**(choice){

**case** 1:{

System.***out***.println("\nList of the existed Files and Folders: \n");

**int** count = 0;

File flist = **new** File("E:\\Java Practice\\SimpliLearn\\project1\\FileCreation//");

flist.createNewFile();

File[] f\_list1 = flist.listFiles();

//Arrays.sort(f\_list1); //To dispaly the list of files in the natural sorting order (Ascending Order)

Arrays.*sort*(f\_list1, **new** MyComparator()); //Customized sorting order to display as per our requirement either in Ascending or Descending order

**for** (File file1 : f\_list1) {

**if** (file1.isDirectory() || file1.isFile()) {

System.***out***.println(file1.getName());

}

count ++;

}

**if**(count == 0)

System.***out***.println("Folder is empty");

**break**;

}

**case** 2:{

System.***out***.print("Enter file name to create a new file: ");

String fname = sc.next();

File flist = **new** File("E:\\Java Practice\\SimpliLearn\\project1\\FileCreation//"+fname+".txt");

**if**(flist.createNewFile()) {

System.***out***.println("File has been created Successfully \n");

}**else** {

**if**(flist.exists()) {

System.***out***.println("File is already Existed");

}

}

**break**;

}

**case** 3:{

System.***out***.print("Enter the file to be deleted from the list: ");

String fname = sc.next();

File flist = **new** File("E:\\Java Practice\\SimpliLearn\\project1\\FileCreation//");

flist.createNewFile();

String[] list\_delete = flist.list();

**int** count = 0;

**if**(list\_delete == **null**)

System.***out***.println("The entered file is not existed in the list");

**else**{

**for**(String fname\_delete : list\_delete){

**if**(fname\_delete.equalsIgnoreCase(fname)){

File flist1 = **new** File("E:\\Java Practice\\SimpliLearn\\project1\\FileCreation//"+fname\_delete);

**if**(flist1.delete())

System.***out***.println(fname\_delete+" has been deleted successfully");

count ++;

}

}

}

**if**(count == 0)

System.***out***.println("File has been not found");

**break**;

}

**case** 4:{

System.***out***.print("Enter the file to be searched for: ");

String fname = sc.next();

File flist = **new** File("E:\\Java Practice\\SimpliLearn\\project1\\FileCreation//");

flist.createNewFile();

String[] list\_search = flist.list();

**int** count = 0;

**if**(list\_search == **null**)

System.***out***.println("The folder is empty");

**else**{

**for**(String fname\_search : list\_search){

**if**(fname\_search.equals(fname)){

File flist1 = **new** File("E:\\Java Practice\\SimpliLearn\\project1\\FileCreation//"+fname\_search);

System.***out***.println(fname\_search+" has been found");

count ++;

}

}

}

**if**(count == 0)

System.***out***.println("File has been not found");

**break**;

}

**case** 5:{

System.***out***.println("Exited, thank you!!");

**break**;

}

**default**:

System.***out***.println("Incorrect input, enter the correct Choice");

**break**;

}

System.***out***.print("Do you want to continue press y else press any key to get exited: ");

ch = sc.next().charAt(0);

} **while** (ch == 'Y' || ch == 'y');

}

}

**class** MyComparator **implements** Comparator{

**public** **int** compare(Object obj1, Object obj2) {

String s1 = obj1.toString();

String s2 = obj2.toString();

**return** s2.compareTo(s1);

}

}