import java.io.\*;

class StudentRecords {

static BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

public void addRecords() throws IOException {

PrintWriter pw = new PrintWriter(new BufferedWriter(new FileWriter("studentRecords.txt", true)));

String name, className, fname, mname, address, dob;

int age;

long telephoneNo;

String s;

boolean addMore;

do {

System.out.print("\nEnter name: ");

name = br.readLine();

System.out.print("Father's Name: ");

fname = br.readLine();

System.out.print("Mother's Name: ");

mname = br.readLine();

System.out.print("Address: ");

address = br.readLine();

System.out.print("Class: ");

className = br.readLine();

System.out.print("Date of Birth (dd/mm/yy): ");

dob = br.readLine();

System.out.print("Age: ");

age = Integer.parseInt(br.readLine());

System.out.print("Telephone No.: ");

telephoneNo = Long.parseLong(br.readLine());

pw.println(name);

pw.println(fname);

pw.println(mname);

pw.println(address);

pw.println(className);

pw.println(dob);

pw.println(age);

pw.println(telephoneNo);

System.out.print("\nRecords added successfully!\n\nDo you want to add more records? (y/n): ");

s = br.readLine();

addMore = s.equalsIgnoreCase("y");

} while (addMore);

pw.close();

showMenu();

}

public void readRecords() throws IOException {

try {

BufferedReader file = new BufferedReader(new FileReader("studentRecords.txt"));

String name;

int i = 1;

while ((name = file.readLine()) != null) {

System.out.println("S.No. : " + (i++));

System.out.println("-------------");

System.out.println("\nName: " + name);

System.out.println("Father's Name: " + file.readLine());

System.out.println("Mother's Name: " + file.readLine());

System.out.println("Address: " + file.readLine());

System.out.println("Class: " + file.readLine());

System.out.println("Date of Birth: " + file.readLine());

System.out.println("Age: " + Integer.parseInt(file.readLine()));

System.out.println("Tel. No.: " + Long.parseLong(file.readLine()));

System.out.println();

}

file.close();

showMenu();

} catch (FileNotFoundException e) {

System.out.println("\nERROR: File not Found !!!");

}

}

public void clear() throws IOException {

PrintWriter pw = new PrintWriter(new BufferedWriter(new FileWriter("studentRecords.txt")));

pw.close();

System.out.println("\nAll Records cleared successfully!");

for (int i = 0; i < 999999999; i++) ; // Wait for some time

showMenu();

}

public void showMenu() throws IOException {

System.out.print("1 : Add Records\n2 : Display Records\n3 : Clear All Records\n4 : Exit\n\nYour Choice: ");

int choice = Integer.parseInt(br.readLine());

switch (choice) {

case 1:

addRecords();

break;

case 2:

readRecords();

break;

case 3:

clear();

break;

case 4:

System.exit(1);

break;

default:

System.out.println("\nInvalid Choice !");

break;

}

}

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

StudentRecords call = new StudentRecords();

call.showMenu();

}

}