import java.util.\*;

import java.io.\*;

class MainMenu

{

public void menu()

{

System.out.println("\t\t\t EMPLOYEE MANAGEMENT SYSTEM");

System.out.println("\n\nPress a : To Add an Employee Details");

System.out.println("Press b : To See an Employee Details ");

System.out.println("Press c : To Remove an Employee");

System.out.println("Press d : To Update Employee Details");

System.out.println("Press e : To Exit the EMS Portal");

}

}

class Employee\_Add

{

public void createFile()

{

Scanner sc=new Scanner(System.in);

EmployDetail emp=new EmployDetail();

emp.getInfo();

try{

File f1=new File("file"+emp.emp\_id+".txt");

if(f1.createNewFile()){

FileWriter myWriter = new FileWriter("file"+emp.emp\_id+".txt");

myWriter.write("Employee ID:"+emp.emp\_id+"\n"+"Employee Name :"+emp.name+"\n"+

"Father's Name :"+emp.f\_name+"\n"+"Employee Contact :"+emp.emp\_contact+"\n"+

"Email Information :"+emp.email+"\n"+"Employee position :"+emp.position+"\n"+ "Employee Salary :"+emp.emp\_salary);

myWriter.close();

System.out.println("\nEmployee has been Added :)\n");

System.out.print("\nPress Enter to Continue...");

sc.nextLine();

}

else {

System.out.println("\nEmployee already exists :(");

System.out.print("\nPress Enter to Continue...");

sc.nextLine();

}

}

catch(Exception e){System.out.println(e);}

}

}

class EmployDetail

{

String name;

String f\_name;

String email;

String position;

String emp\_id;

String emp\_salary;

String emp\_contact;

public void getInfo()

{

Scanner sc=new Scanner(System.in);

System.out.print("Enter Employee's name : "); name=sc.nextLine();

System.out.print("Enter Employee's Father name : "); f\_name=sc.nextLine();

System.out.print("Enter Employee's ID : "); emp\_id=sc.nextLine();

System.out.print("Enter Employee's Email ID : "); email=sc.nextLine();

System.out.print("Enter Employee's Position : "); position=sc.nextLine();

System.out.print("Enter Employee contact Info : "); emp\_contact=sc.nextLine();

System.out.print("Enter Employee's Salary : "); emp\_salary=sc.nextLine();

}

}

class Employee\_Show

{

public void viewFile(String s) throws Exception {

File file = new File("file"+s+".txt");

Scanner sc = new Scanner(file);

while (sc.hasNextLine())

{

System.out.println(sc.nextLine());

}

}

}

class Employee\_Remove

{

public void removeFile(String ID)

{

File file = new File("file"+ID+".txt");

if(file.exists())

{

if(file.delete());

{

System.out.println("\nEmployee has been removed Successfully"); }

}

else

{

System.out.println("\nEmployee does not exists :( "); }

}

}

class Employee\_Update

{

public void updateFile(String s,String o,String n) throws IOException {

File file = new File("file"+s+".txt");

Scanner sc = new Scanner(file);

String fileContext="";

while (sc.hasNextLine())

{

fileContext =fileContext+"\n"+sc.nextLine();

}

FileWriter myWriter = new FileWriter("file"+s+".txt");

fileContext = fileContext.replaceAll(o,n);

myWriter.write(fileContext);

myWriter.close();

}

}

class CodeExit

{

public void out()

{

System.out.println("$ cat Thank You For Using my Software :) ");

System.out.println("\t\t/~ <0d3d by Abhinav Dubey\n"); System.exit(0);

}

}

class Main

{

public static void main(String arv[])

{

/\* To clear the output Screen \*/

System.out.print("\033[H\033[2J");

Scanner sc=new Scanner(System.in);

Employee\_Show epv =new Employee\_Show(); int i=0;

MainMenu obj1 = new MainMenu();

obj1.menu();

while(i<6)

{

System.out.print("\nPlease Enter choice :"); i=Integer.parseInt(sc.nextLine());

switch(i)

{

case 1:

{

Employee\_Add ep =new Employee\_Add(); ep.createFile();

obj1.menu();

break;

}

case 2:

{

System.out.print("\nPlease Enter Employee's ID :"); String s=sc.nextLine();

try

{

epv.viewFile(s);}

catch(Exception e){System.out.println(e);}

System.out.print("\nPress Enter to Continue..."); sc.nextLine();

obj1.menu();

break;

}

case 3:

{

System.out.print("\nPlease Enter Employee's ID :"); String s=sc.nextLine();

Employee\_Remove epr =new Employee\_Remove(); epr.removeFile(s);

System.out.print("\nPress Enter to Continue...");

sc.nextLine();

obj1.menu();

break;

}

case 4:

{

System.out.print("\nPlease Enter Employee's ID :");

String I=sc.nextLine();

try

{

epv.viewFile(I);

}

catch(Exception e)

{

System.out.println(e);

}

Employee\_Update epu = new Employee\_Update();

System.out.print("Please Enter the detail you want to Update :");

System.out.print("\nFor Example :\n");

System.out.println("If you want to Change the Name, then Enter Current Name and Press Enter. Then write the new Name then Press Enter. It will Update the Name.\n");

String s=sc.nextLine();

System.out.print("Please Enter the Updated Info :");

String n=sc.nextLine();

try

{

epu.updateFile(I,s,n);

System.out.print("\nPress Enter to Continue...");

sc.nextLine();

System.out.print("\033[H\033[2J");

obj1.menu();

break;

}

catch(IOException e)

{

System.out.println(e);

}

}

case 5:

{

CodeExit obj = new CodeExit();

obj.out();

}

}

}

}

}