CODE

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Importing Essential Libraries \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

import java.util.\*;

import java.io.\*;

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* MENU OF EMS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

class MainMenu

{

public void menu()

{

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

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

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

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

System.out.println("\t\t\t ~$ Abhinav Dubey");

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

System.out.println("\n\nPress 1 : To Add an Employee Details");

System.out.println("Press 2 : To See an Employee Details ");

System.out.println("Press 3 : To Remove an Employee");

System.out.println("Press 4 : To Update Employee Details");

System.out.println("Press 5 : To Exit the EMS Portal");

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* To add details of Employee \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

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.employ\_id+".txt");

if(f1.createNewFile()){

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

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

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

"Email Information :"+emp.email+"\n"+"Employee position :"+emp.position+"\n"+

"Employee Salary :"+emp.employ\_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);}

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Taking Employee Details \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

class EmployDetail

{

String name;

String sur\_name;

String email;

String position;

String employ\_id;

String employ\_salary;

String employ\_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 -: ");

father\_name=sc.nextLine();

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

employ\_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 --: ");

employ\_contact=sc.nextLine();

System.out.print("Enter Employee's Salary ------: ");

employ\_salary=sc.nextLine();

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* To Show details of Employee \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

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());

}

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* To Remove Employee \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

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 :( ");

}

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* To Update details of Employee \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

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();

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* To Exit from the EMS Portal \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

class CodeExit

{

public void out()

{

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

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

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

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

System.exit(0);

}

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Main Class \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

class EmployManagementSystem

{

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;

/\*\*\* Callining Mainmenu Class function \*\*\*\*/

MainMenu obj1 = new MainMenu();

obj1.menu();

/\*\*\* Initialising loop for Menu Choices \*\*\*/

while(i<6)

{

System.out.print("\nPlease Enter choice :");

i=Integer.parseInt(sc.nextLine());

/\*\* Switch Case Statements \*\*/

switch(i)

{

case 1:

{

/\*\* Creating class's object and calling Function using that object \*\*/

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

ep.createFile();

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

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();

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

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();

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

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();

}

}

}

}

}