

```

import java.io.*;

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

    public void addRecords() throws IOException
    {
        // Create or Modify a file for Database
        PrintWriter pw = new PrintWriter(new BufferedWriter(new
        FileWriter("studentRecords.txt",true)));

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

        int age;

        long telephoneNo;

        String s;

        boolean addMore = false;

        // Read Data
        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: ");
            Class = br.readLine();

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

            System.out.print("Age: ");
            age = Integer.parseInt(br.readLine());

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System.out.print("Telephone No.: ");
telephoneNo = Long.parseLong(br.readLine());
// Print to File
pw.println(name);
pw.println(fname);
pw.println(mname);
pw.println(address);
pw.println(Class);
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();
if(s.equalsIgnoreCase("y"))
{
    addMore = true;
    System.out.println();
}
else
    addMore = false;
}
while(addMore);
pw.close();
showMenu();
}
public void readRecords() throws IOException
{
    try
    {
        // Open the file

```

```

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

String name;

int i=1;

// Read records from the file
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
{
    // Create a blank file

    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();  
}  
}
```

/\* Output

(base) os@os-Vostro-3268:~\$ javac StudentRecords.java

(base) os@os-Vostro-3268:~\$ java StudentRecords

1 : Add Records

2 : Display Records

3 : Clear All Records

4 : Exit

Your Choice : 1

Enter name: Mr PQR

Father's Name: Mr XYZ

Mother's Name: Mrs XYZ

Address: Pune

Class: SE IT

Date of Birth (dd/mm/yy) : 11/11/2002

Age: 20

Telephone No.: 12345

Records added successfully !

Do you want to add more records ? (y/n) : n

1 : Add Records

2 : Display Records

3 : Clear All Records

4 : Exit

Your Choice : 2

S.No. : 1

-----

Name: Mr PQR

Father's Name : Mr XYZ

Mother's Name : Mrs XYZ

Address: Pune

Class: SE IT

Date of Birth : 11/11/2002

Age: 20

Tel. No.: 12345

1 : Add Records

2 : Display Records

3 : Clear All Records

4 : Exit

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