



รายงาน

เรื่อง Final Project

จัดทำโดย

นางสาวพัชริดา เจริญผล

รหัสนักศึกษา6008111003

เสนอ

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รายงานวิชาการเขียนโปรแกรมภาษาจาวาCPSC(462) ฉบับนี้เป็นส่วนหนึ่ง
ของการศึกษาตาม หลักสูตรวิทยาศาสตรบัณฑิต (วิทยาการคอมพิวเตอร์)
สาขาวิทยาการคอมพิวเตอร์ คณะบริหารธุรกิจและรัฐประศาสนศาสตร์

มหาวิทยาลัยเนชั่น

ปีการศึกษา2562

คำนำ

รายงานฉบับนี้เป็นส่วนหนึ่งของรายวิชาการเขียนโปรแกรมภาษาจาวา CPSC 462 เนื้อหา ประกอบด้วย 1) การเขียนโปรแกรมเมนูควบคุมตัวเลือก 2)เขียนโปรแกรมเพิ่มข้อมูลสำหรับ 3 แฟ้ม ได้แก่ แฟ้มนักเรียน แฟ้มวิชา และแฟ้มลงทะเบียน 3) 4) การ เขียนโปรแกรมแก้ไขข้อมูลสำหรับ 3 แฟ้ม 5) การ เขียน โปรแกรมเลือกรหัสนักเรียนการเขียนโปรแกรมลบข้อมูลสำหรับ 3 แฟ้ม แล้วแสดงวิชาที่ลงทะเบียนและ 7) การเขียนโปรแกรมแสดงประวัติของ ผู้เขียนโปรแกรมโดยมีหน้าต่าง Print Screen ของ Source Codeและผลลัพธ์ของแต่ละโปรแกรม

ข้าพเจ้าหวังเป็นอย่างยิ่งว่า รายงานฉบับนี้จะเป็นประโยชน์แก่ผู้ที่สนใจไมากก็น้อยหากมีข้อผิดพลาดประการใดขออภัยมา ณที่นี้ด้วย

จัดทำโดย

น.ส.พัชริดา เจริญผล

สารบัญ

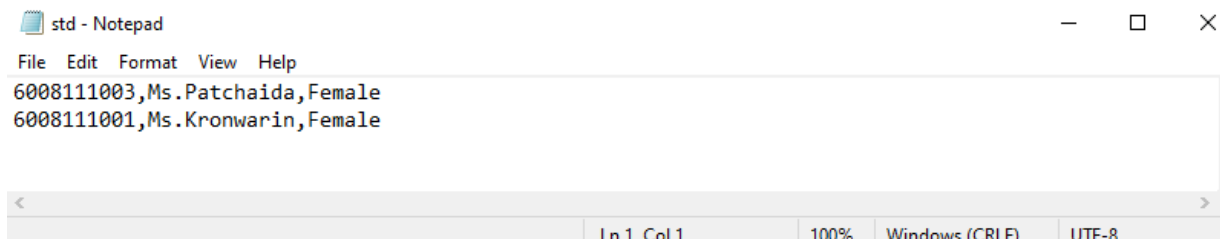
เนื้อหา	หน้า
คำนำ	ก
สารบัญ	ข
เนื้อเรื่อง	1-32

สร้างแฟ้มข้อมูล

```
// =====  
  
public static void student () throws IOException {  
    FileOutputStream fout = new FileOutputStream("std.dat");  
    BufferedOutputStream bout = new BufferedOutputStream(fout);  
    PrintStream pout = new PrintStream(bout);  
    pout.println("6008111003,Ms.Patchaida,Female");  
    pout.println("6008111001,Ms.Kronwarin,Female");  
    System.out.println("Create : completely");  
    pout.close();  
}
```

ทำการสร้างไฟล์ ชื่อ **std.dat** โดยใส่ข้อมูล **id , name** และ **sex** ของนักศึกษา

จะได้ไฟล์นี้



```
// =====  
  
public static void subjects () throws IOException {  
    FileOutputStream fout = new FileOutputStream("subj.dat");  
    BufferedOutputStream bout = new BufferedOutputStream(fout);  
    PrintStream pout = new PrintStream(bout);  
    pout.println("321,HCI,3");  
    pout.println("322,Database Systems,3");  
    System.out.println("Create : completely");  
}
```

```
pout.close();  
}
```

ทำการสร้างไฟล์ ชื่อ **subj.dat** โดยใส่ข้อมูล **subjid , subjname** และ **credit** ของรายวิชา

จะได้ไฟล์นี้



subj - Notepad

File Edit Format View Help

321,HCI,3
322,Database Systems,3

```
// =====
```

```
public static void register () throws IOException {  
    FileOutputStream fout = new FileOutputStream("regist.dat");  
    BufferedOutputStream bout = new BufferedOutputStream(fout);  
    PrintStream pout = new PrintStream(bout);  
    pout.println("101,HCI,B,1");  
    pout.println("102,HCI,A,2");  
    pout.println("101,Database Systems,C,1");  
    System.out.println("Create : completely");  
    pout.close();  
}
```

ทำการสร้างไฟล์ ชื่อ **regist.dat** โดยใส่ข้อมูล **regist id , subjname , grade** และ **credit** ลงทะเบียนรายวิชาของนักศึกษา จะได้ไฟล์นี้



regist - Notepad

File Edit Format View Help

101,HCI,B,1
102,HCI,A,2
101,Database Systems,C,1

```

C:\Program Files\Java\jdk-10.0.2\bin>java Praew01
0 : bye bye
1 : Create 3 fields, 2 records for std.dat
2 : Create 3 fields, 2 records for subj.dat
3 : Create 4 fields, 3 records for regist.dat
5 : List all records to Student
6 : List all records to Subjects
7 : List all records to Register
51 : Add new Student
52 : Add new Subjects
53 : Add new Register
54 : Delete on ID Student
55 : Delete on ID Subjects
56 : Delete on ID Register
57 : Edit data Student
58 : Edit data Subjects
59 : Edit data Register
16 : Transcript
17 : Profile of the program developer.

Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 2
Create : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 3
Create : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 1
Create : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] :

```

เพิ่มข้อมูลในแฟ้ม

```
// =====
```

```

public static void addnewstudent () throws IOException {

    BufferedReader stdin = new BufferedReader(new
InputStreamReader(System.in));

    String stdid,stdname,sex;

    System.out.print("Wait Student ID : ");

    stdid = stdin.readLine();

    System.out.print("Wait Name : ");

    stdname = stdin.readLine();

    System.out.print("Wait Sex : ");

    sex = stdin.readLine();

    String b;

    String ar[] = new String[10];

    FileReader fin = new FileReader("std.dat");

    BufferedReader bin = new BufferedReader (fin);

    int i = 0;

```

```

while ((b = bin.readLine()) != null) {
    ar[i] = b;
    i = i + 1;
}
fin.close();

//

int tot = i;

FileOutputStream fout = new FileOutputStream("std.dat");
BufferedOutputStream bout = new BufferedOutputStream(fout);
PrintStream pout = new PrintStream(bout);
i = 0;

while (i < tot) {
    pout.println(ar[i]);
    i = i + 1;
}

pout.println(stdid + "," + stdname + "," + sex);
System.out.println("Add : completely");
pout.close();
}

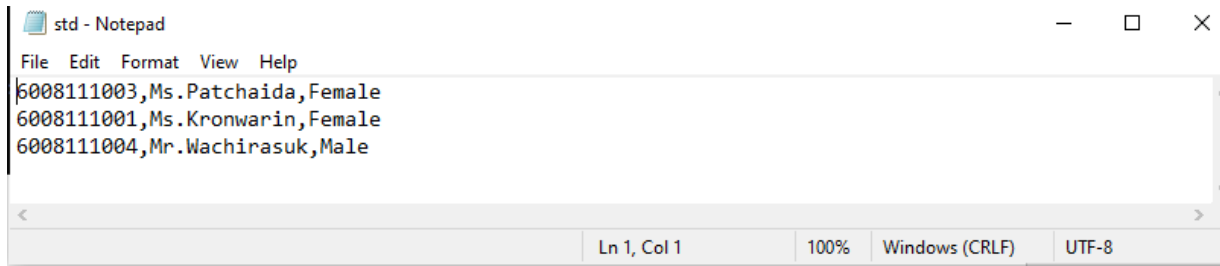
```

เพิ่มข้อมูลในแฟ้ม **std** โดยการพิมพ์เลข **7** จะตรงกับ **51** ในรายการ แล้วทำการออกข้อมูลที่ต้องการ

```

Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 7
Wait Student ID : 6008111004
Wait Name : Mr.Wachirasuk
Wait Sex : Male
Add : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] :

```



```
// =====  
  
    public static void addnewssubjects () throws IOException {  
  
        BufferedReader stdin = new BufferedReader(new  
InputStreamReader(System.in));  
  
        String subjid,subjname,credit;  
  
        System.out.print("Wait Subjects ID : ");  
        subjid = stdin.readLine();  
  
        System.out.print("Wait Subjects Name : ");  
        subjname = stdin.readLine();  
  
        System.out.print("Wait Credit : ");  
        credit = stdin.readLine();  
  
        String b;  
  
        String ar[] = new String[100];  
  
        FileReader fin = new FileReader("subj.dat");  
        BufferedReader bin = new BufferedReader (fin);  
  
        int i = 0;  
        while ((b = bin.readLine()) != null) {  
            ar[i] = b;  
            i = i + 1;  
        }  
  
        fin.close();  
  
        //
```



```

int tot = i;

FileOutputStream fout = new FileOutputStream("subj.dat");

BufferedOutputStream bout = new BufferedOutputStream(fout);

PrintStream pout = new PrintStream(bout);

i = 0;

while (i < tot) {

    pout.println(ar[i]);

    i = i + 1;

}

pout.println(subjid + "," + subjname + "," + credit);

System.out.println("Add : completely");

pout.close();

}

```

เพิ่มข้อมูลในแฟ้ม **subj** โดยการพิมพ์เลข **8** จะตรงกับ **52** ในรายการ แล้วทำการออกข้อมูลที่ต้องการ

```

Add : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 8
Wait Subjects ID : 321
Wait Subjects Name : MIS
Wait Credit : 3
Add : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] :

```



```

subj - Notepad
File Edit Format View Help
321,HCI,3
322,Database Systems,3
321,MIS,3

```

// =====

```

public static void addnewregister () throws IOException {
    BufferedReader stdin = new BufferedReader(new
InputStreamReader(System.in));

    String registid,subjname,grade,sec;

    System.out.print("Wait Student ID : ");
    registid = stdin.readLine();
    System.out.print("Wait Registe Name : ");
    subjname = stdin.readLine();
    System.out.print("Wait Grade : ");
    grade = stdin.readLine();
    System.out.print("Wait Sec : ");
    sec = stdin.readLine();

    String b;
    String ar[] = new String[100];

    FileReader fin = new FileReader("regist.dat");
    BufferedReader bin = new BufferedReader (fin);

    int i = 0;

    while ((b = bin.readLine()) != null) {
        ar[i] = b;
        i = i + 1;
    }

    fin.close();

    //

    int tot = i;

    FileOutputStream fout = new FileOutputStream("regist.dat");
    BufferedOutputStream bout = new BufferedOutputStream(fout);

```

```

    PrintStream pout = new PrintStream(bout);

    i = 0;

    while (i < tot) {
        pout.println(ar[i]);
        i = i + 1;
    }

    pout.println(registid + "," + subjname + "," + grade + "," + sec);
    System.out.println("Add : completely");
    pout.close();
}

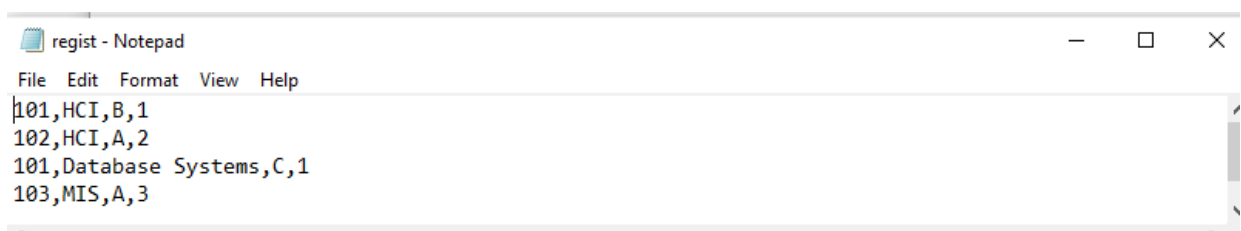
```

เพิ่มข้อมูลในแฟ้ม **regist** โดยการพิมพ์เลข **9** จะตรงกับ **53** ในรายการ แล้วทำการออกข้อมูลที่ต้องการ

```

delete : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 9
Wait Student ID : 103
Wait Registe Name : MIS
Wait Grade : A
Wait Sec : 3
Add : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] :

```



ลบข้อมูลในแฟ้ม

```

// =====

public static void deletestudent () throws IOException {

    BufferedReader stdin = new BufferedReader(new
    InputStreamReader(System.in));

    String stdid;

```

```

System.out.print("Wait Student ID : ");
stdid = stdin.readLine();
String b;
String ar[] = new String[100];
FileReader fin = new FileReader("std.dat");
BufferedReader bin = new BufferedReader (fin);
int i = 0;
while ((b = bin.readLine()) != null) {
    ar[i] = b;
    i = i + 1;
}
fin.close();
//
int tot = i;
FileOutputStream fout = new FileOutputStream("std.dat");
BufferedOutputStream bout = new BufferedOutputStream(fout);
PrintStream pout = new PrintStream(bout);
i = 0;
while (i < tot) {
    if (stdid.equals(ar[i].substring(0,10))) {
        System.out.println("Delete : completely");
    } else {
        pout.println(ar[i]);
    }
    i = i + 1;
}

```

```

    }

    pout.close();

}

```

ทำการลบข้อมูลในแฟ้ม **std** โดยการพิมพ์เลข **10** จะตรงกับ **54** ในรายการ โดยการใส่ **stdid** หรือ รหัสนักศึกษา

```

Add : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 10
Wait Student ID : 6008111003
Delete : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : _

```

```

// =====

    public static void deletesubjects () throws IOException {

        BufferedReader stdin = new BufferedReader(new
InputStreamReader(System.in));

        String subjid;

        System.out.print("Wait Subjects ID : ");

        subjid = stdin.readLine();

        String b;

        String ar[] = new String[100];

        FileReader fin = new FileReader("subj.dat");

        BufferedReader bin = new BufferedReader (fin);

        int i = 0;

        while ((b = bin.readLine()) != null) {

            ar[i] = b;

            i = i + 1;

        }

        fin.close();
    }
}

```

```
//
int tot = i;
FileOutputStream fout = new FileOutputStream("subj.dat");
BufferedOutputStream bout = new BufferedOutputStream(fout);
PrintStream pout = new PrintStream(bout);
i = 0;
while (i < tot) {
    if (subjid.equals(ar[i].substring(0,3))) {
        System.out.println("Delete : completely");
    } else {
        pout.println(ar[i]);
    }
    i = i + 1;
}
pout.close();
}
```

ทำการลบข้อมูลในแฟ้ม **subj** โดยการพิมพ์เลข **11** จะตรงกับ **55** ในรายการ โดยการใส่ **subjid** หรือ รหัสวิชา

```
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 11
Wait Subjects ID : 321
Delete : completely
```

```
// =====

public static void deleteregister () throws IOException {

    BufferedReader stdin = new BufferedReader(new
InputStreamReader(System.in));

    String stdid;

    System.out.print("Wait Register ID : ");

    stdid = stdin.readLine();

    String b;

    String ar[] = new String[10];

    FileReader fin = new FileReader("regist.dat");

    BufferedReader bin = new BufferedReader (fin);

    int i = 0;

    while ((b = bin.readLine()) != null) {

        ar[i] = b;

        i = i + 1;

    }

    fin.close();

    //

    int tot = i;

    FileOutputStream fout = new FileOutputStream("regist.dat");

    BufferedOutputStream bout = new BufferedOutputStream(fout);

    PrintStream pout = new PrintStream(bout);

    i = 0;

    while (i < tot) {

        if (stdid.equals(ar[i].substring(0,3))) {

            System.out.println("Delete : completely");

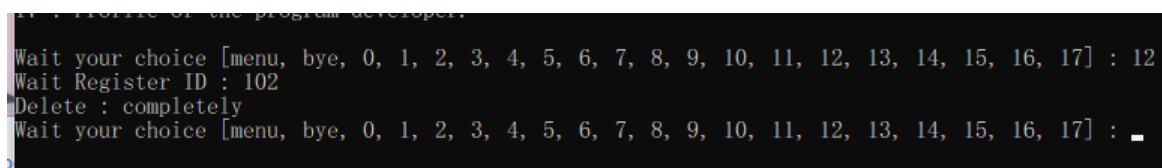
        } else {
```

```

        pout.println(ar[i]);
    }
    i = i + 1;
}
pout.close();
}

```

ทำการลบข้อมูลในแฟ้ม **regist** โดยการพิมพ์เลข **12** จะตรงกับ **56** ในรายการ โดยการใส่ **registid** หรือรหัสลงทะเบียน



```

Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 12
Wait Register ID : 102
Delete : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : _

```

แก้ไขข้อมูลในแฟ้ม

```

// =====

public static void editstudent () throws IOException {
    BufferedReader stdin = new BufferedReader(new
InputStreamReader(System.in));

    String stdid,stdname,sex;

    System.out.print("Wait Student ID : ");
    stdid = stdin.readLine();

    System.out.print("Wait Name : ");
    stdname = stdin.readLine();

    System.out.print("Wait Sex : ");
    sex = stdin.readLine();

    String b;

```



```

String ar[] = new String[100];

FileReader fin = new FileReader("std.dat");
BufferedReader bin = new BufferedReader (fin);

int i = 0;

while ((b = bin.readLine()) != null) {
    ar[i] = b;
    i = i + 1;
}

fin.close();

//

int tot = i;

FileOutputStream fout = new FileOutputStream("std.dat");
BufferedOutputStream bout = new BufferedOutputStream(fout);
PrintStream pout = new PrintStream(bout);

i = 0;

while (i < tot) {
    if (stdid.equals(ar[i].substring(0,10))) {
        pout.println(stdid + "," + stdname + "," + sex);
        System.out.println("Edit : completely");
    } else {
        pout.println(ar[i]);
    }
    i = i + 1;
}

pout.close();

```

```
}
```

ทำการแก้ไขข้อมูลในแฟ้ม **std** โดยการพิมพ์เลข **13** จะตรงกับ **57** ในรายการ โดยการใส่ **stdid** หรือรหัสนักศึกษา ที่ต้องการแล้วทำการแก้ไขข้อมูล

```
Delete : completely  
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 13  
Wait Student ID : 6008111001  
Wait Name : Wawarn  
Wait Sex : Female  
Edit : completely  
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] :
```

```
// =====
```

```
public static void editsubjects () throws IOException {  
    BufferedReader stdin = new BufferedReader(new  
InputStreamReader(System.in));  
    String subjid,subjname,credit;  
    System.out.print("Wait Subjects ID : ");  
    subjid = stdin.readLine();  
    System.out.print("Wait Subjects Name : ");  
    subjname = stdin.readLine();  
    System.out.print("Wait Credit : ");  
    credit = stdin.readLine();  
    String b;  
    String ar[] = new String[100];  
    FileReader fin = new FileReader("subj.dat");  
    BufferedReader bin = new BufferedReader (fin);  
    int i = 0;  
    while ((b = bin.readLine()) != null) {  
        ar[i] = b;
```

```

        i = i + 1;
    }
    fin.close();
    //
    int tot = i;
    FileOutputStream fout = new FileOutputStream("subj.dat");
    BufferedOutputStream bout = new BufferedOutputStream(fout);
    PrintStream pout = new PrintStream(bout);
    i = 0;
    while (i < tot) {
        if (subjid.equals(ar[i].substring(0,3))) {
            pout.println(subjid + "," + subjname + "," + credit);
            System.out.println("Edit : completely");
        } else {
            pout.println(ar[i]);
        }
        i = i + 1;
    }
    pout.close();
}

```

ทำการแก้ไขข้อมูลในแฟ้ม **subj** โดยการพิมพ์เลข **14** จะตรงกับ **58** ในรายการ โดยการใส่ **subid** หรือรหัสวิชา ที่ต้องการแล้วทำการแก้ไขข้อมูล

```

Wait Credit : 2
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 14
Wait Subjects ID : 322
Wait Subjects Name : DBMS
Wait Credit : 3
Edit : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] :

```

```
// =====

public static void editregister () throws IOException {

    BufferedReader stdin = new BufferedReader(new
InputStreamReader(System.in));

    String registid,subjid,grade,sec;

    System.out.print("Wait Register ID : ");
    registid = stdin.readLine();

    System.out.print("Wait Registe Name : ");
    subjid = stdin.readLine();

    System.out.print("Wait Grade : ");
    grade = stdin.readLine();

    System.out.print("Wait Sec : ");
    sec = stdin.readLine();

    String b;

    String ar[] = new String[100];

    FileReader fin = new FileReader("regist.dat");
    BufferedReader bin = new BufferedReader (fin);

    int i = 0;
    while ((b = bin.readLine()) != null) {
        ar[i] = b;
        i = i + 1;
    }

    fin.close();

    //

    int tot = i;
```

```

FileOutputStream fout = new FileOutputStream("regist.dat");
BufferedOutputStream bout = new BufferedOutputStream(fout);
PrintStream pout = new PrintStream(bout);
i = 0;
while (i < tot) {
    if (registid.equals(ar[i].substring(0,10))) {
        pout.println(registid + "," + subjid + "," + grade + "," + sec);
        System.out.println("Edit : completely");
    } else {
        pout.println(ar[i]);
    }
    i = i + 1;
}
pout.close();
}

```

ทำการแก้ไขข้อมูลในแฟ้ม **regist** โดยการพิมพ์เลข **14** จะตรงกับ **58** ในรายการ โดยการใส่ **regist id** หรือรหัสลงทะเบียน ที่ต้องการแล้วทำการแก้ไขข้อมูล

```

Edit : completely
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 15
Wait Register ID : 101
Wait Registe Name : DB
Wait Grade : B
Wait Sec : 2
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] :

```

แสดงข้อมูลทั้งหมด

```
// =====
```

```
public static void editregister () throws IOException {
```

```
BufferedReader stdin = new BufferedReader(new
InputStreamReader(System.in));

String registid,subjid,grade,sec;

System.out.print("Wait Register ID : ");

registid = stdin.readLine();

System.out.print("Wait Registe Name : ");

subjid = stdin.readLine();

System.out.print("Wait Grade : ");

grade = stdin.readLine();

System.out.print("Wait Sec : ");

sec = stdin.readLine();

String b;

String ar[] = new String[100];

FileReader fin = new FileReader("regist.dat");

BufferedReader bin = new BufferedReader (fin);

int i = 0;

while ((b = bin.readLine()) != null) {

    ar[i] = b;

    i = i + 1;

}

fin.close();

//

int tot = i;

FileOutputStream fout = new FileOutputStream("regist.dat");

BufferedOutputStream bout = new BufferedOutputStream(fout);

PrintStream pout = new PrintStream(bout);

i = 0;
```

```

while (i < tot) {
    if (registid.equals(ar[i].substring(0,10))) {
        pout.println(registid + "," + subjid + "," + grade + "," + sec);
        System.out.println("Edit : completely");
    } else {
        pout.println(ar[i]);
    }
    i = i + 1;
}
pout.close();
}

// =====

public static void transcript () throws IOException {
    BufferedReader stdin = new BufferedReader(new
InputStreamReader(System.in));
    int i = 0,t1,t2,t3;
    String b,subjectid,bufid,a;
    String[] fields;
    String[] recs1 = new String[100];
    String[] recs2 = new String[100];
    String[] recs3 = new String[100];

    System.out.print("Wait Student ID : ");
    bufid = stdin.readLine();
    String ar[] = new String[100];
    FileReader fin = new FileReader("std.dat");
    BufferedReader bin = new BufferedReader(fin);

```

```
while ((a = bin.readLine()) != null) {
    ar[i] = a;
    i = i + 1;
}
fin.close();
//
int tot = i;
FileOutputStream fout = new FileOutputStream("std.dat");
BufferedOutputStream bout = new BufferedOutputStream(fout);
PrintStream pout = new PrintStream(bout);
i = 0;
while (i < tot) {
    if (bufid.equals(ar[i].substring(0,10)))
    {
        FileReader fin1 = new FileReader("std.dat");
        BufferedReader bin1 = new BufferedReader(fin);
        while ((b = bin1.readLine()) != null) {
            recs1[i] = b;
            i = i + 1;
        }
        fin1.close();
        t1 = i;
        i = 0;
        //
        FileReader fin2 = new FileReader("subj.dat");
```



```

BufferedReader bin2 = new BufferedReader (fin2);
while ((b = bin2.readLine()) != null) {
    recs2[i] = b;

    i = i + 1;
}
fin2.close();
t2 = i;
//
FileReader fin3 = new FileReader("regist.dat");
BufferedReader bin3 = new BufferedReader (fin3);
while ((b = bin3.readLine()) != null) {
    recs3[i] = b;

    i = i + 1;
}
fin3.close();
t3 = i;
//
for (int x=0; x<t1; x++)
{
    fields = recs1[x].split(",");

    System.out.println("Student ID"+" : "+fields[0]);
    System.out.println("Name : "+ fields[1] );
    for(int j=0;j<t2;j++)
    {

```

```
fields = recs2[j].split(",");
System.out.println("Subjects" + " : "+ fields[1]);
subjectid = fields[0];
for(int k=0;k<t3;k++)
{
    fields = recs3[k].split(",");
    if (fields[1].equals(subjectid))
    {
        System.out.println("Grade"+" : "+ fields[2]);
    }
}
//System.out.println("Grade" + " : "+"A");
}
} else {
    pout.println(ar[i]);
}
i = i + 1;
}
pout.close();
}
```

โปรแกรมเมนู ความคุมตัวเลือก

```
public static void main(String args[]) throws IOException {  
    String waitopt;  
  
    BufferedReader stdin = new BufferedReader(new  
InputStreamReader(System.in));  
  
    String buf;  
  
    waitopt = "Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,  
13, 14, 15, 16, 17] : ";  
  
    displaymenu();  
  
    System.out.print(waitopt);  
  
    buf = stdin.readLine();  
  
    while (!buf.equals("0")) {  
        if (buf.equals("0") || buf.equals("bye")) {  
            System.out.println("Bye Bye");  
            break;  
        }  
  
        else if (buf.equals("1"))  
        {  
            student();  
            buf = " ";  
        }  
  
        else if (buf.equals("2"))  
        {  
            subjects();  
            buf = " ";  
        }  
    }  
}
```

```
        else if (buf.equals("3"))
        {
            register();
            buf = " ";
        }
```

```
else if (buf.equals("4") || buf.equals("l1"))
{
    list("std.dat");
    buf = " ";
}
```

```
        else if (buf.equals("5") || buf.equals("l2"))
        {
            list("subj.dat");
            buf = " ";
        }
```

```
        else if (buf.equals("6") || buf.equals("l3"))
        {
            list("regist.dat");
            buf = " ";
        }
```

```
else if (buf.equals("13") || buf.equals("est"))
{
    editstudent();
    buf = " ";
}
```

```
}
```

```
    else if (buf.equals("14") || buf.equals("esu"))
```

```
    {
```

```
        editsubjects();
```

```
        buf = " ";
```

```
    }
```

```
        else if (buf.equals("15") || buf.equals("ere"))
```

```
        {
```

```
            editregister();
```

```
            buf = " ";
```

```
        }
```

```
else if (buf.equals("10") || buf.equals("dst"))
```

```
{
```

```
    deletestudent();
```

```
    buf = " ";
```

```
}
```

```
    else if (buf.equals("11") || buf.equals("dsu"))
```

```
    {
```

```
        deletesubjects();
```

```
        buf = " ";
```

```
    }
```

```
        else if (buf.equals("12") || buf.equals("dre"))
```

```
        {
```

```
            deleteregister();
```

```
            buf = " ";
```

```
}
```

```
else if (buf.equals("7") || buf.equals("ast"))
```

```
{
```

```
    addnewstudent();
```

```
    buf = " ";
```

```
}
```

```
        else if (buf.equals("8") || buf.equals("asu"))
```

```
        {
```

```
            addnewssubjects();
```

```
            buf = " ";
```

```
        }
```

```
            else if (buf.equals("9") || buf.equals("are"))
```

```
            {
```

```
                addnewregister();
```

```
                buf = " ";
```

```
            }
```

```
        else if (buf.equals("16") || buf.equals("t"))
```

```
        {
```

```
            transcript();
```

```
            buf = " ";
```

```
        }
```

```
else if (buf.equals("17") || buf.equals("my"))
```

```
{
```

```
    myprofile();
```

```
    buf = " ";  
}  
  
else if (buf.equals("menu") || buf.equals("m"))  
{  
    displaymenu();  
    buf = " ";  
} else {  
    System.out.print(waitopt);  
    buf = stdin.readLine();  
    // buf = (char)System.in.read(); // for 1 character  
}  
}  
}
```

โปรแกรมแสดงประวัติของผู้เขียน

```
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] : 17
My name is Patcharida Jaruenpon.
My nickname is Praew.
I am studying at Nation University.
My major was Computer Science.
My hobby is playing game.
Wait your choice [menu, bye, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17] :
```

```
// =====
public static void myprofile () throws IOException
{
    System.out.println("My name is Patcharida Jaruenpon.");
    System.out.println("My nickname is Praew.");
    System.out.println("I am studying at Nation University.");
    System.out.println("My major was Computer Science.");
    System.out.println("My hobby is playing game.");
}
}
```