The example here is one using data of members, classes and registration (which member is taking which classes (contents of data files at end of document)

Your current project has patients, doctors and the medical appointments (which patient is being seen by which doctor at an appointment

* The code below is an example of how to code the report for all classes a specific member is registered for. A loop within a loop, within a loop is required.
* We will assume that the following variable arrays and counts are used:

int[]MemberCode=new int[100];

**Sample Run #1: (searching for member 1111)**

Mary Jones is registered for the following classes:

133 Advanced Yoga 2/20/2017

543 Adult Swimming 1/15/2017

765 Weight Training 2/1/2017

**Sample Run #2: (searching for member 4444)**

Nick Green is registered for the following classes:

133 Advanced Yoga 2/20/2017

765 Weight Training 2/1/2017

**Sample Run #3: (searching for member 5555)**

Karen Hilling is registered for the following classes:

123 Beginning Yoga 1/25/2017

679 Aerobics I 1/15/2017

String[]MemberType=new String[100];

String[]FirstName=new String[100];

String[]LastName=new String[100];

int[]Age=new int[100];

String[]Gender=new String[100];

int mcount =-1;

int[]ClassCode=new int[100];

String[]ClassName=new String[100];

String[]BeginDate=new String[100];

int ccount =-1;

int[]regMemberCode=new int[100];

int[]regClassCode=new int[100];

int rcount =-1;

//all classes a specific member is taking

int searchcode,j,k;

value = JOptionPane.showInputDialog(null, "Enter the member ID to search for", " ", JOptionPane.QUESTION\_MESSAGE);

searchcode = Integer.parseInt(value);

for(i=0;i<=mcount;++i)

{

if(searchcode==MemberCode[i])

{

System.out.println("\n"+FirstName[i]+" "+LastName[i]+" is registered for the following classes:");

for(j=0;j<=rcount;++j)

{

if(MemberCode[i]==regMemberCode[j])

{

for(k=0;k<=ccount;++k)

{

if(regClassCode[j] ==ClassCode[k])

System.out.println(ClassCode[k]+" "+ClassName[k]+" "+BeginDate[k]);

}//k loop

}//match on registration code from member data and register data

}//j loop

}//match on the searchcode and the member code from member data

}//i for loop

**Contents of register file:**

1111#123#

3333#123#

5555#123#

6666#123#

2222#133#

4444#133#

8888#133#

2222#543#

1111#543#

3333#543#

6666#543#

4444#765#

2222#765#

3333#980#

1111#980#

5555#679#

6666#679#

8888#679#

**Contents of member file:**

1111#single#John#Smith#25#Male#

2222#couple#Mary#Jones#67#Female#

3333#single#Dean#Johnson#56#Male#

4444#family#Nick#Green#34#Male#

5555#family#Karen#Hilling#45#Female#

6666#single#Jane#Gardner#20#Female#

7777#couple#Jim#Gallo#77#Male#

8888#single#William#George#25#Male#

**Contents of class file:**

123#Beginning Yoga#1/25/2017#

133#Advanced Yoga#2/20/2017#

234#Beginning Swimming#3/1/2017#

543#Adult Swimming#1/15/2017#

456#Spinning#2/16/2017#

679#Aerobics I#1/15/2017#

980#Aerobics II#3/15/2017#

765#Weight Training#2/1/2017#