**Program 7**

#include<iostream>

#include<fstream>

#include<string>

using namespace std;

class coseq

{

private:

string list1[100],list2[100];

int count1,count2;

public:

void load\_list();

void sort\_list();

void match();

};

void coseq::load\_list()

{

fstream file;

string name;

count1=0;count2=0;

file.open("name1.txt");

while(!file.eof())

{

name.erase();

getline(file,name);

list1[count1++]=name;

}

file.close();

file.open("name2.txt");

while(!file.eof())

{

name.erase();

getline(file,name);

list2[count2++]=name;

}

file.close();

}

void coseq::sort\_list()

{

int i,j;

string temp;

for(i=0;i<=count1;i++)

{

for(j=i+1;j<=count1;j++)

{

if(list1[i]>list1[j]) {

temp=list1[i];

list1[i]=list1[j];

list1[j]=temp;

}

}

}

for(i=0;i<=count2;i++)

{

for(j=i+1;j<=count2;j++)

{

if(list2[i]>list2[j])

{

temp=list2[i];

list2[i]=list2[j];

list2[j]=temp;

}

}

}

}

void coseq::match()

{

int i=0,j=0,flag=0;

while(i<=count1 && j<=count2)

{

if(list1[i]==list2[j])

{

cout<<list1[i]<<"\n";

i++;

j++;

flag=1;

}

if(list1[i]<list2[j])

i++;

if(list1[i]>list2[j])

j++;

}

if(flag==0) cout<<"no match found\n";

}

int main() {

coseq c1;

c1.load\_list();

c1.sort\_list();

c1.match();

return 0;

}

**name1.txt**

**john**

**ram**

**sham**

**name2.txt**

**leela**

**sham**

**ram**

**OUTPUT**

**ram**

**sham**