public class Main

{

public static void main (String[] args) {

int a1[] = {1,4,7};

int a2[]={1,8,9};

int a3[]={9,6,4};

int a4[]={5,2,3};

int a5[]={2,8,6};

int temp[] = new int[3]; // For storing the result

// 1) removing all wrong items {5,2,3} and making common items false

For (int i=0;i<3;i++)

{

for(int j=0;j<3;j++)

{

if(a4[i]==a1[j])

{

a1[j]=-1;

}

if(a4[i]==a2[j])

{

a2[j]=-1;

}

if(a4[i]==a3[j])

{

a3[j]=-1;

}

if(a4[i]==a5[j])

{

a5[j]=-1;

}

}

}

// making {5,2,3} -1 as it is not required

for(int i=0;i<3;i++)

{

a4[i]=-1;

}

// comparing first and second condition as 1 digit is not the number so eliminating it

for(int i=0;i<3;i++){

for(int j=0;j<3;j++){

if(a1[i]==a2[j]){

a1[i]=-1;

a2[j]=-1;

}

}

}

// comparing first and third condition as 4 digit is wrong as the 7 digit is right

for(int i=0;i<3;i++){

for(int j=0;j<3;j++){

if(a1[i]==a3[j]){

a1[i]=-1;

a3[j]=-1;

}

}

}

// comparing second and last array as 8 digit is not the right ans

for(int i=0;i<3;i++){

for(int j=0;j<3;j++){

if(a2[i]==a5[j]){

a2[i]=-1;

a5[j]=-1;

}

}

}

// removing common digits

for(int i=0;i<3;i++)

{

for(int j=0;j<3;j++)

{

if(a2[i]==a3[j]){

a3[j]=-1;

}

}

}

for(int i=0;i<3;i++)

{

for(int j=0;j<3;j++)

{

if(a5[i]==a3[j]){

a3[j]=-1;

}

}

}

//printing array digits after removing the unrequired digits making it -1

for (int i=0; i<3; i++)

{

System.out.print(a1[i]+" ");

}

System.out.print("\n");

for (int i=0; i<3; i++)

{

System.out.print(a2[i]+" ");

}

System.out.print("\n");

for (int i=0; i<3; i++)

{

System.out.print(a3[i]+" ");

}

System.out.print("\n");

for (int i=0; i<3; i++)

{

System.out.print(a4[i]+" ");

}

System.out.print("\n");

for (int i=0; i<3; i++)

{

System.out.print(a5[i]+" ");

}

System.out.print("\n");

// Output

// -1 -1 7

// -1 -1 9

// -1 -1 -1

// -1 -1 -1

// -1 -1 6

for (int i=0; i<3; i++)

{

if(a1[i]!=-1 || a2[i]!=-1 ||a5[i]!=-1)

{

temp[1]=a1[i];

temp[0]=a5[i];

temp[2]=a2[i];

}

}

// Displaying the correct three number

System.out.print(“The three digit key is”+” “);

for (int i=0; i<3; i++)

{

System.out.print(temp[i]);

}

// Output

// The three digit key is 679

}

}