import java.util.\*;

class arrayList{

Scanner s1=new Scanner(System.in);

ArrayList<String> al = new ArrayList<String>();

void append()

{

System.out.println("Enter the string to be append :");

al.add(s1.next());

System.out.println(al);

}

void insert(){

System.out.println("Enter the index position :");

int pos=s1.nextInt();

System.out.println("Enter the string to be append :");

al.add(pos,s1.next());

}

void search(){

System.out.println("Enter the string to be search :");

String search=s1.next();

String info=al.contains(search)?"Yes, is found":"No, is not found";

System.out.println(info);

}

void list(){System.out.println("Enter the letter to be list out :");

String s=s1.next();

for(int i=0;i<al.size();i++)

{

if(al.get(i).startsWith(s))

System.out.println(al.get(i));

}

}

void disp(){

for(int i=0;i<al.size();i++)

{

System.out.println(al.get(i));

}

}

}

class mano{

public static void main(String args[])

{

arrayList al=new arrayList();

Scanner s=new Scanner(System.in);

System.out.println("Enter your choice\n1.Append\n2.Insert\n3.Search\n4.List the string(Specific letter)\n5.Display\n6.Exit");

int choice=s.nextInt();

while(choice<6){switch (choice) {

case 1:

al.append();

break;

case 2:

al.insert();

break;

case 3:

al.search();

break;

case 4:

al.list();

break;

case 5:

al.disp();

break;

}

System.out.println("Enter your choice\n1.Append\n2.Insert\n3.Search\n4.List the string(Specific letter)\n5.Display\n");

choice=s.nextInt();

}

}

}