

Program:

Question1:Search an element in an array.

Code:

```
import java.util.*;

public class sele{

public static void main(String[] args)

{

int n,i,b,flag=0;

Scanner s=new Scanner(System.in);

System.out.println("enter the number of elements :");

n=s.nextInt();

int a[]=new int[n];

System.out.println("enter the elements :");

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

{

a[i]=s.nextInt();

}

System.out.println("element u want to search :");

b=s.nextInt();

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

{

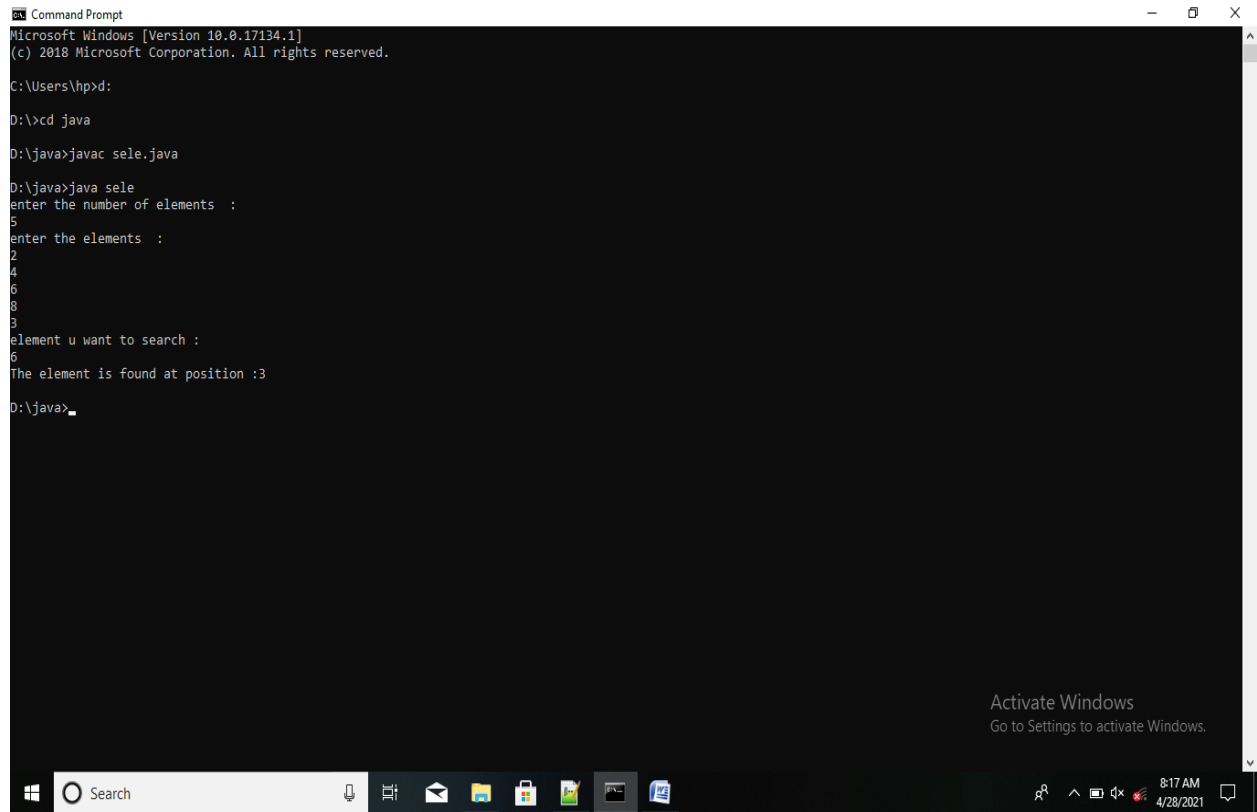
if(a[i]==b)

{

flag=1;
```

```
break;
}
else
{
    flag=0;
}
}
if(flag==1)
{
    System.out.println("The element is found at position :"+(i+1));
}
else
{
    System.out.println("The element is not found");
}
}
}
```

Output:



```
Command Prompt
Microsoft Windows [Version 10.0.17134.1]
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C:\Users\hp>d:
D:\>cd java
D:\java>javac sele.java
D:\java>java sele
enter the number of elements :
5
enter the elements :
2
4
6
8
3
element u want to search :
6
The element is found at position :3
D:\java>
```

Question 2: Program to sort string.

Code:

```
public class sortstring{
    public static void main(String[] args)
    {
        String names[]={"it","is","a","example"};
        String temp;
        int n= names.length;
        int i;
        int j;
```

```
for(i=0;i<n;i++)
{
for(j=i+1;j<n;j++)
{
if(names[i].compareTo(names[j])>0)
{
temp=names[i];
names[i]=names[j];
names[j]=temp;
}
}
}
System.out.println("the sorted array of string is :");
for(i=0;i<n;i++)
{
System.out.println(names[i]);
}
}
}
```

Output:

```
D:\java>javac sortstring.java  
  
D:\java>java sortstring  
the sorted array of string is :  
a  
example  
is  
it
```

Question:Perform string manipulation.

Code:

```
public class SString{  
    public static void main(String[] args){  
        String str_Sample = "This is example";  
  
        System.out.println("Length of the String: " + str_Sample.length());  
  
        System.out.println("Character at the position 5: " + str_Sample.charAt(5));  
  
        System.out.println("EndsWith character 'e': " + str_Sample.endsWith("e"));  
  
        System.out.println("Replace 'example' with 'program': " +  
str_Sample.replace("example", "program"));  
    }  
}
```

Output:

```

D:\java>javac SString.java

D:\java>java SString
Length of the String: 15
Character at the position 5: i
EndsWith character 'e': true
Replace 'example' with 'program': This is program

D:\java>_

```