Vector

```java
import java.util.*;
class main
{
  public static void main(String args[])
 {
   Vector v=new Vector();
   Scanner sc=new Scanner(System.in);
   while(true)
   {
    System.out.println("1.Add\n2.Delete\n3.Search\n4.Display\n5.Exit\nEnter choice");
    int ch=sc.nextInt();
    if(ch==5)
     break;
    switch(ch)
    {
     case 1:{
      System.out.println("Enter the name of item:");
      String s=sc.next();
      v.addElement(s);
      System.out.println("Item inserted");
     }break;

     case 2:{
      System.out.println("Enter the name of Item to be deleted");
      String s1=sc.next();
      if(v.contains(s1))
      {
       v.removeElement(s1);
       System.out.println("Item Deleted");
      }
      else
      {
       System.out.println("Item Not Found");
      }
     }break;

     case 3:{
      System.out.println("Enter the name of item to be searched");
      String s2=sc.next();
      if(v.contains(s2))
      {
       int x=v.indexOf(s2);
       System.out.println("Item found at index "+x);
      }
      else
      {
       System.out.println("Item Not Found");
      }
     }break;
```
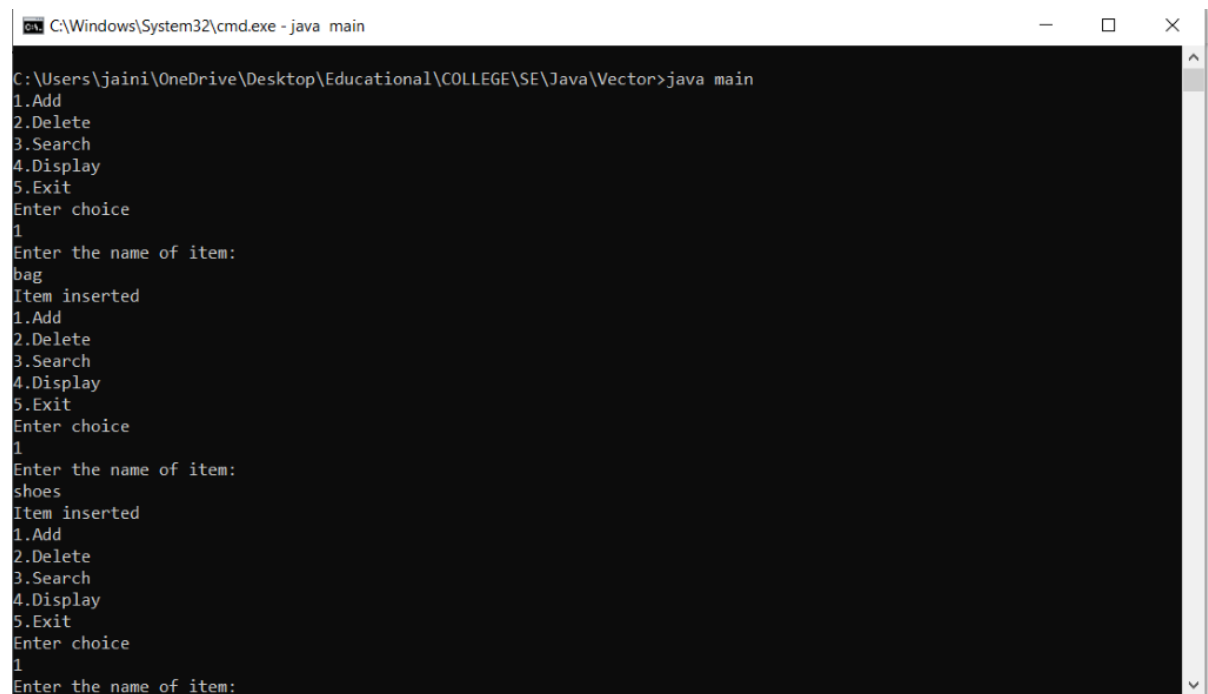
```java
case 4:{
  for(int i=0;i<v.size();i++)
  {
    System.out.println(v.elementAt(i));
  }
}break;

default:
{
  System.out.println("Invalid Choice");
}
    }
  }
}
}
```

```
5.Exit
Enter choice
4
bag
shoes
mobile
1.Add
2.Delete
3.Search
4.Display
5.Exit
Enter choice
2
Enter the name of Item to be deleted
bag
Item Deleted
1.Add
2.Delete
3.Search
4.Display
5.Exit
Enter choice
4
shoes
mobile
1.Add
2.Delete
3.Search
4.Display
5.Exit
```