Question 1: Tracing

```java
int[] a = new int[10];
for (int i = 0; i < 10; i++) {
    a[i] = i;
    System.out.println(a[i]);
}
for (int i = 0; i < 10; i++) {
    int index = a[9-i];
    a[i] = a[index];
    System.out.println(a[i]);
}
```

Question 2: Error

Find the errors, if any, in the following code fragment.

```java
public class X{
    private int a[];
    
    public X() {
        a = int[-3];
    }
    
    public void Read() {
    }
    
    public int f2(int[] x, boolean b) {
        for (int i=0; i < x.length; i++) {
            if (x[i] == b)
            return 1;
        }
        return -1;
    }
}
```
Question 3: Array

Write a java program that reads integers temperatures in a one-dimension array T, which has maximum of 20 elements. It then displays the following:

1. Smallest and largest element in the array.
2. An array, A which has all the odd integers found in the array T.
3. An array B that has all the positive integers found in the array T.

Use the class Temperature to solve the problem:

<table>
<thead>
<tr>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>- T: int[]</td>
</tr>
<tr>
<td>- A: int []</td>
</tr>
<tr>
<td>- B: int[]</td>
</tr>
<tr>
<td>+ Temperature( )</td>
</tr>
<tr>
<td>+ void Read( )</td>
</tr>
<tr>
<td>..........</td>
</tr>
</tbody>
</table>

Hint: Use methods whenever it is possible.