1. What will this code fragment print? Type your answer in the box below.

```java
int a = 15;
int b = 13;
int result;
if (a <= b)
{
    result = (a + b);
}
else
{
    result = (a - b);
}
System.out.println(result);
```

2. What will this code fragment print? Type your answer in the box below.

```java
int x = 1;
if (x == 1)
{
    x = x + 1;
}
else if(x==2)
{
    x = x + 2;
}
System.out.println(x);
```
3. What will the code fragment below print? Type your answer in the box below.

```java
int a = 2;
int b = 1;

int result;

if (a != b)
{
    result = a - b;
} else 
{
    result = a + 2;
}
System.out.println(result);
```

4. What will the code fragment below print? Type your answer in the box below.

```java
int a = 12;
int b = 13;
int c = 18;

int result;

if ((a <= b) || (a <= c))
{
    result = (a + b);
} else 
{
    result = (a - c);
}
System.out.println(result);
```
5. What will the code fragment below print? Type your answer in the box below.

```java
int a = 19;
int b = 12;
int c = 16;

int result;
if ((a <= b) && (a <= c))
{
    result = (a + b);
}
else
{
    result = (a - c);
}
System.out.println(result);
```

6. Here is a program that reads in two int values. Complete the program so that it prints the larger value to the console. (In case of a tie, either will do.)

```java
public class MyTestProgram {
    public static void main (String[] args) {
        Scanner console = new Scanner(System.in);
        System.out.println("enter num1:");
        int num1 = console.nextInt();
        System.out.println("enter num2:");
        int num2 = console.nextInt();
    }
```
7. Here is a program that reads in two `String` values. Complete the program so that it prints the shorter one to the console. If both strings are of equal length print the first one.

```java
class MyTestProgram {
    public static void main(String[] args) {
        Scanner console = new Scanner(System.in);
        System.out.println("enter str1:");
        String str1 = console.next();
        System.out.println("enter str2:");
        String str2 = console.next();
    }
}
```