 

**Advanced Placement Computer Science**

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**Unit 5: Strings/Short Circuit Evaluation**

**Lesson: Short Circuit Evaluation**

***Last Updated:*** *4/27/2017*

Lesson: Parameter Passing Mechanisms

*Last Updated: 100/11001/1100*

What is the problem with this loop?

int x=50;

while(100/x != (some target value) && x!=0)  
{

System.out.println(x);  
 x--;  
}

How is it fixed?

Summarize short circuit evaluation

public class City {

public String name;

public int population;

}

City[] cityList = new Array[6]; //assuming the array is populated with the values below but that the 4th element’s name is null

|  |  |  |
| --- | --- | --- |
| **index** | **name** | **population** |
| 0 | “Cairo” | 7,933,236 |
| 1 | “Durban” | 3,368,631 |
| 2 | “Harare” | 1,607,022 |
| 3 | null | 0 |
| 4 | “Lagos” | 9,229,944 |
| 5 | “Khartoum” | 2,207,794 |

Write a for loop that searches the array for the string “Khartoum” Make sure the name is not null before doing a comparison on that name.