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// Author: Shyaan Khan Period: 4 Date: 11/7/14

// Description: Make a program which can create a zero dimensional object, a line, a rectangle, or a box

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**public** **class** BoxConstructor {

**private** **int** length, width, height;

**private** String output;

**public** BoxConstructor()

{

length = 0;

width = 0;

height = 0;

output = "Nothing Created";

}

**public** BoxConstructor(**int** lengthIn)

{

**this**(lengthIn, 0, 0);

output = "Line created";

}

**public** BoxConstructor(**int** lengthIn, **int** widthIn)

{

**this**(lengthIn, widthIn, 0);

output = "Rectangle Created";

}

**public** BoxConstructor(**int** lengthIn, **int** widthIn, **int** heightIn)

{

length = lengthIn;

width = widthIn;

height = heightIn;

output = "Box Created";

}

**public** String toString()

{

**return** output;

}

}

OUTPUT:

Line created

Rectangle Created

Box Created

Nothing Created