**Code conversation level 3- Slider bar graph**

**Code for program is here: https://tinyurl.com/ybc8crx8**

**Describe what the whole program is doing in a couple of sentences:**

**Fill in the blanks**

|  |  |
| --- | --- |
| ***Code*** | ***What is this line doing?*** |
| from microbit import |  |
| This function will determine the bargraph display on the micro:bit |  |
| def bargraph(a): |  |
| display.clear() |  |
| for y in range(0, 5): |  |
| if a > y: |  |
| for x in range(0, 5): |  |
| display.set\_pixel(x, 4-y, 9)\* |  |
| while True: |  |
| slider\_posn = int(pin2.read\_analog() / 200) |  |
| bargraph(slider\_posn) |  |

\*display.set\_pixel(x,y,value) - this inbuilt function sets the brightness of the LED at row x and column y to value, which has to be an integer between 0 and 9. In this case the brightness is always set to the maximum 9.