**Code conversation level 3 - your biggest fan**

**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 \* |  |
|  |  |
| min\_power = 600 |  |
| max\_power = 1023 |  |
| power\_step = (max\_power - min\_power) / 9 |  |
| speed = 0 |  |
|  |  |
| def set\_power(speed): |  |
| display.show(str(speed)) |  |
| if speed == 0: |  |
| pin0.write\_analog(0) |  |
| else: |  |
| pin0.write\_analog(speed \* power\_step + min\_power) |  |
| set\_power(speed) |  |
|  |  |
| while True: |  |
| if button\_a.was\_pressed(): |  |
| speed -= 1 |  |
| if speed < 0 : |  |
| speed = 0 |  |
| set\_power(speed) |  |
| elif button\_b.was\_pressed(): |  |
| speed += 1 |  |
| if speed > 9: |  |
| speed = 9 |  |
| set\_power(speed) |  |
| sleep(100) |  |