

# Project 134



## Coding School



Let's create a light sensor.

- ❖ This will test the decrease and increase of light.
- ❖ First drag an on start block.
- ❖ Add servos through Extensions.



- ❖ Drag the Set servo P1 angle to block in the servo into the on start block.
- ❖ Set its value to 0.

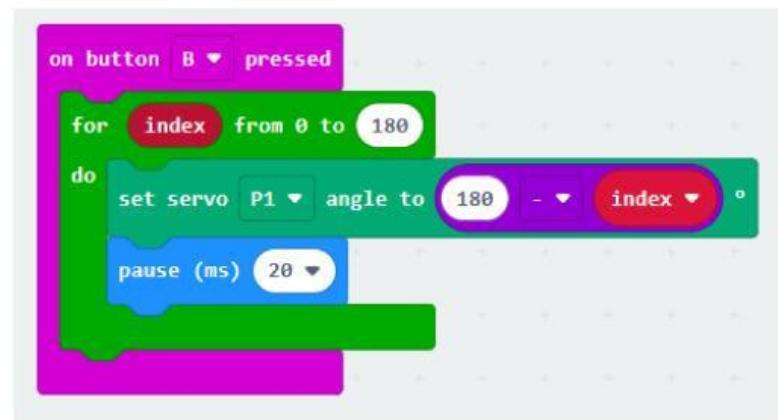


- ❖ On button A pressed and drag a block.

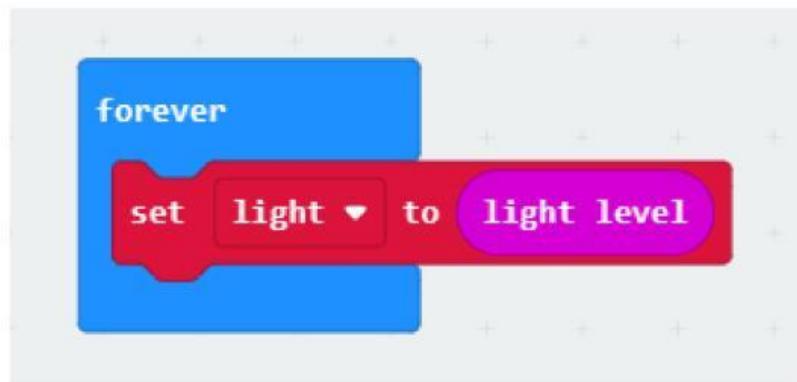
- ❖ Drag a for do index from block in Loops.
- ❖ Adjust its value to 180.
- ❖ Drag Set servo P1 angle to block into it.
- ❖ Drag the index variable instead of the value.
- ❖ Drag a pause(ms) block in Basic.



- ❖ Now press on button B and drag a block.
- ❖ Drag a for do index from block in Loops into it.
- ❖ Set its value to 180.
- ❖ Drag Set servo P1 angle to block into it.
- ❖ Drag the block with the minus sign in Math instead of its value.
- ❖ Give the value 180 to the left of the minus sign
- ❖ Drag the index variable instead of the value to the right of the minus sign.
- ❖ Drag the pause (ms) block below it.



- ❖ Create two variables as light and servos.
- ❖ Add the following block to the Forever block.
- ❖ Drag set light to block.
- ❖ Drag the light level block in the input instead of its value.



- ❖ Drag the set servos to block below it.
- ❖ instead of its value under pins of advanced; Drag the block
- ❖ Drag Set servo P1 angle to block.
- ❖ Drag the servos variable instead of the value
- ❖ Prepare the code as below.

