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EV3 introductory Program

- 1) **Wait** for **Touch Sensor** to be **BUMPED**.
- 2) Go **backwards** for 3 rotations. (**40 % power**)
- 3) Make a right hand turn. (**1 motor**, 1 rotation)

- 4) **Wait** for 3 seconds.
- 5) **Spin** for 5 seconds. (**2 motors**, **+/- 100 steering**, **100% power**)
- 6) Make a U-Turn. (related to step 3 above)

- 7) **Wait** for **Touch Sensor**.
- 8) Go **Forward** UNTIL **touch sensor** is **pressed**. (**30% power**, **3 separate blocks required**)
- 9) **Say** "Goodbye". (**100% volume**, "**:\Lego sound files\communication**")
- 10) **Display** "Big Smile" for 3 seconds. ("**:\Lego image files\expressions**")



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EV3 Program – Intermediate (Loops & Switches)

- 1) **Wait** for **touch sensor** to be pressed.
- 2) Go Forward until **Ultrasonic Sensor** is less than 15cm.
- 3) Turn Right.
- 4) **If Ultrasonic Sensor** is less than 15cm

Then { Undo Right Turn
Turn Left }

Otherwise { Do Nothing }

- 5) **Repeat** steps #2-#4 for 90 seconds.



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