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# Introduction to Micro:Bit

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# BRONZE Challenge:

Create a program that does the following

1. When the program starts, have the LEDs show an image of your choice
2. After the start-up is complete, have your program play an animation over and over until you stop the program.
3. Have a different image appear when button A is pressed
4. Add sound or music to your start-up sequence
5. Have the Micro:Bit react when it hears a loud sound

# SILVER Challenge:

## Inside the same program:

1. At the end of your start-up sequence clear the screen and add a welcome message
2. Add a message into your forever loop that says 'Need Input'
3. Have the Micro:Bit display different images for when the B button is pressed and when both buttons are pressed
4. Add different sound effects depending on which button is pressed
5. Add a reaction for when the Micro:Bit detects it is quiet

# GOLD Challenge:

Continue building your program by adding the following:

1. Replace the image on start-up with an animation
2. Change your forever loop animation to show a person or animal moving onto the screen
3. Have the Micro:Bit react differently when tilted left and when tilted right
4. Add sound effects to being tilted left and right
5. At the end of your forever loop replace the 'show string Need Input' block with a clear screen block and then show the value of the sound level instead.

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# Thank You

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