



GSIT Quest 2 Solution

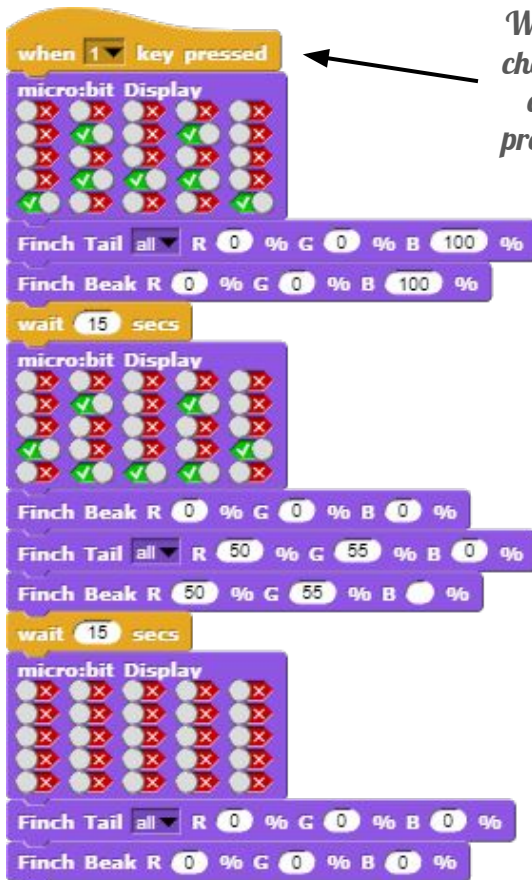
By Harper, Keira, Lea, Libby

For Quest 2 Lea was back and able to help us! Our favorite challenge was 1 because it was the easiest. We liked Bonus 2 because the random blocks made Finch behave differently every time.

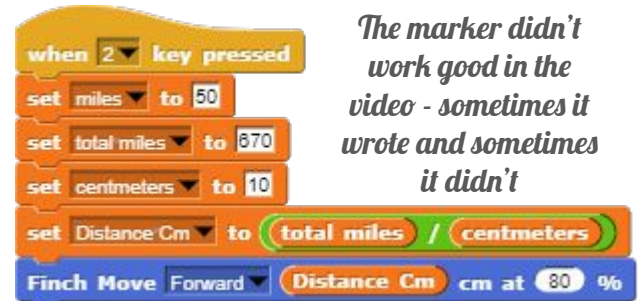
Challenge 2

Challenge 1

Our goal for challenge one was to use the LED lights to show Finch as happy and anxious. This was the easiest challenge. Our code is below:



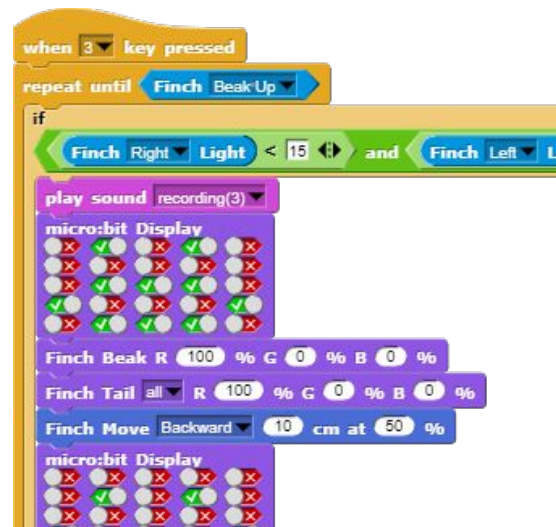
We made it so each challenge within the quest got run by pressing it's number



The marker didn't work good in the video - sometimes it wrote and sometimes it didn't

Challenge 3

We have more details on what we did for challenge 3 on the next page but wanted to show the number how we called it. We basically read the Finch light sensors and take different actions.



We had fun adding to the script for this one - Keira played Finch and made up fun things to say.

Challenge 3

We ran into an issue where the code only went once but we wanted it to repeat for the video so we put in a repeat until Finch Beak Up

We have lots of bonus actions - this one is where the hawk is on both sides so Finch backs up.

We also use the tail and beak and micro:bit lights to show Finch is scared

This is the code when the hawk is over the right light sensor

This is the code when the hawk is over the left light sensor

When all done we remembered to turn off all the lights :)

Bonus 1

Our bonus code for challenge #3 is identical except we put in random numbers for the beak/tail LEDs and the movement.

Bonus 2

We thought this one was actually easier than doing challenge 2 the first time. We took our total distance and divided by 3. Then we ran that code 3 times. We set the speed slower each time.

The merker kind of worked for our bonus!