10/1/24 Pcomp Study: Push button Notary Encoder 1 Rotary Encoder 2 — Light Display LCD Panels? User selects Subject using Rotary Encoder 2 User selects topic using Rotary Encoder 2 Timer Question Sets feedback Loop Digitize on answer Key trow will user Meract with this? than will I actually make this? Top view *'* - Goffa have a bred board Do you want it to be wireless? — Its gonna need botheries. Develop Arduno Logic to work with button that generates math questions. Also develop dial to encode what questions are generaled As m what subjects will they be pulled from. Logic: I - Develop Code that ask a greation with every button press. So you need to set up a circuit with button, wext you need to ensure that arduins is sensing the mechanical information. So ard no needs to sense button presses to be able to cycle through questions. But what does that logic look like? How do you implement cycle in an infinite loop? You need a listener for when the button is pressed. You need a counter that will increment by I when but is pressed. But you don't want it to keep incrementing if the button is held. button = False hold = False pressed = false if (button is keing pressed) { counter tt if (button is being held) { The button is being held; } else { The button was pressed; 3 else { button is not pressed I have to play around with button to see how long a button click reads in arduino. So I have to map how long a withon click looks like us. how long a hold looks like. So I got a row measure of how long button clicks record for in growing: The counter increases very forst so I measure diche based off the counter/50. Now that I somewhat have control over the clicks, I have to think about button states,

One click turns question on

Click again grestion goes off

Two clicks goes to next grestion









