Target for this cycle 2.3

Name:Click here to enter text.

|  |  |
| --- | --- |
| |  | | --- | | **Overview.**  **You will need to decompose and then complete an algorithm (or create your own algorithm) to the following problem…**  **Intermediate**  The micro bit will show an arrow that you can use to spin, the arrow will land on the person who will answer a question. When a button is pressed the program will generate a random true or false question from a choice of 3. The user will then use a and b to choose true or false, the micro bit will respond with correct or incorrect. | |

You have Chosen to complete the **Intermediate** option and given yourself a chance at **Grade 5-6**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Decompose your problem** | | | | | | | | Step 1 |  | | | | | | | 2 |  | | | | | | | 3 |  | | | | | | | 4 |  | | | | | | | 5 |  | | | | | | | 6 |  | | | | | | | 7 |  | | | | | | | 8 |  | | | | | | | 9 |  | | | | | | | 10 |  | | | | | | | 11 |  | | | | | | | 12 |  | | | | | | | **Teacher Use Only: How much guidance was given and Grade Achieved** | | | | | **None** | **4** | |  | | | | | | | | **Algorithm. Green Boxes are complete, you need to complete the yellow boxes**  **Complete the Algorithm and then for one question (output 1) add the algorithm for checking if it is correct or not and responding**  **Help: Rounded = Terminator, Rectangle = Process, Parallelogram = Output or Input** | | | | | | | | Show Arrow  Has  Generate  Output  Store  Is RN  Is RN=0  Output Question 2  Output | | | | | | | | **Teacher Use Only: How much guidance was given and Grade Achieved** | | | | **None** | | **4** | |  | | | | | | | | Programming. | | | | | | | | Paste your completed code(blocks) here: (*Insert>screenshot>Screen Clipping)* | | **Identify the selection and iteration** | | | | | |  | | | | | | **Describe how your code works** | | | | | |  | | | | | | **What errors did you get how did you fix them?** | | | | | |  | | | | | | **Explain your code, try to explain definite and indefinite iteration, recursion** | | | | | |  | | | | | | **Teacher Use Only: How much guidance was given and Grade Achieved** | | | **None** | | | **4** | |

|  |
| --- |
|  |

