Project 126

DP EDUCATION

Coding School

micro:bit

Start Here

LIVEWORKSHEETS

- First drag an on start block.
- Create two variables as height and weight.
- Add the following block to the On Start button.

- After that, drag an On button A pressed button.
- Block it as follows.

- Right click on that block and duplicate it.
- Change that block as follows.

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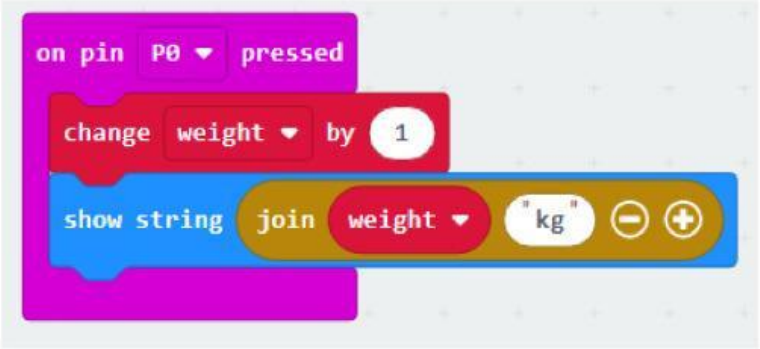
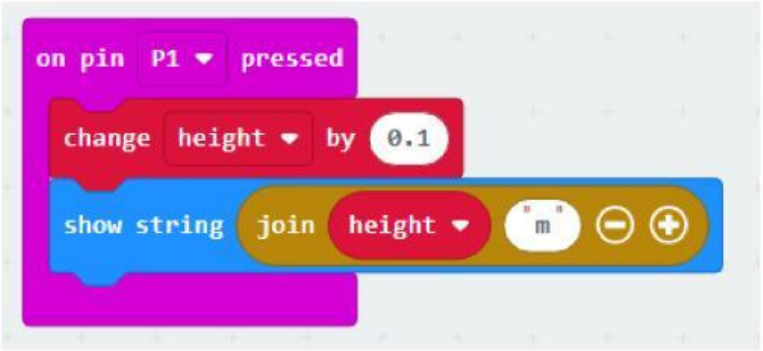
- After that, drag the on pin P0 pressed block in Input.
- Give the weight as 01.
- This gives the initial weight as 10Kg and can be increased by 01Kg by pressing pin P0.



- Right click on that block and duplicate it.
- Change that block as follows.



- Then click the functions button in Advanced and create a function as bmi cal.
- Then create it as below.

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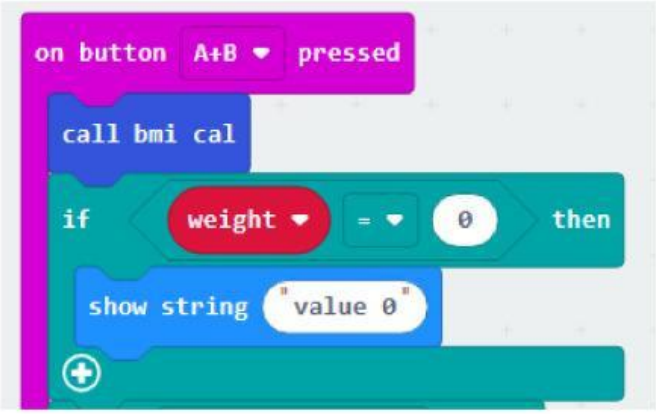
- Then drag a pressed button A+B.
- Drag the call bmi cal code in the function into it.
- Create the following code in it.



- After that let's understand our BMI value.
- If the BMI value is less than 18.5, you are in a state of malnutrition (Thinness).
- If the BMI value is between 18.5 - 25 then you are in good health (Normal).
- If the BMI value is more than 25, then you are overweight.
- Let's create code like below to show.
- Drag an if block into Button A+B pressed button and drag a block with a small sign to it.
- And drag a show string block from Basic into it.
- Change it to “Thinness”.
- As above, right click on the if block and duplicate it, change the relevant information as shown in the image below and create the project.

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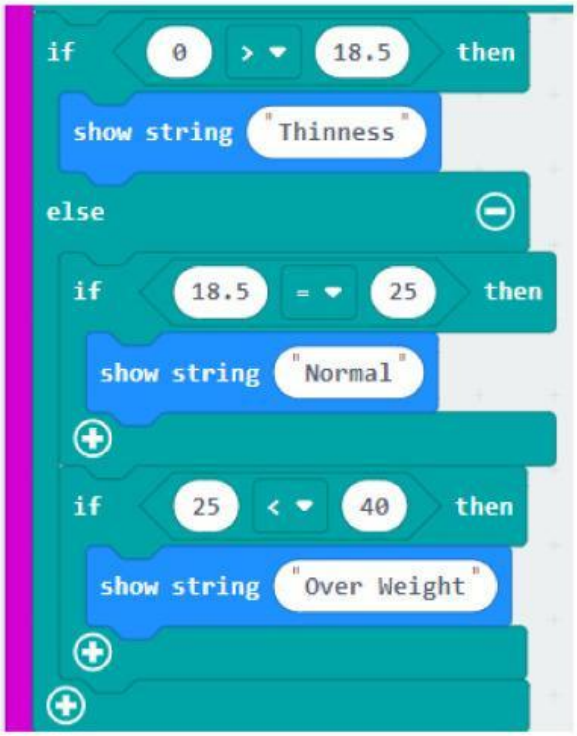

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