Visual Programming

Project

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How to run the project :

To run the project you can:

➢ Run the code :

        Prerequisites: Unity (EditorVersion: 2019.2.5f1).
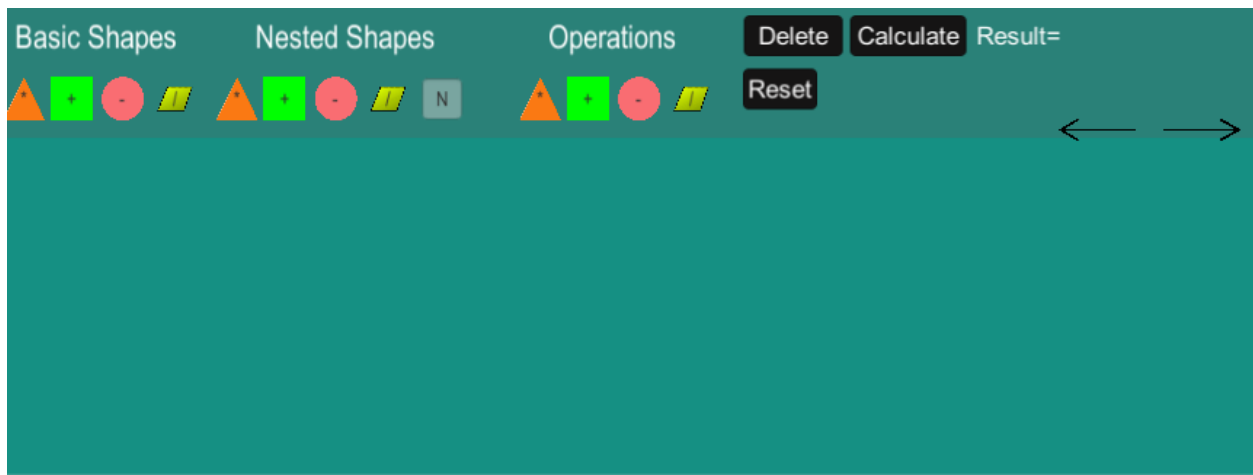
        How to Run:

                a. Create new Unity project.

                b. Import the Unity package "Team_8" in folder "code" in the project, then run scene "project"

OR

➢ Use the app directly it is attached in the zip file, in a folder name "application", run the "Team_8.exe" file.

Once you run the project you are presented by a screen that contains:

Basic shapes:

These are 4 buttons that represent different shapes, each with its own operation.

By using them, a basic shape that holds two numbers to perform an operation between them is added.

Nested shapes:

There are 4 buttons that represent different nested shapes, each with its own operation.

These add a shape that can carry another two "Basic shape" shapes.

The last button **N** adds a simple number in the big shape.

Operations:

These adds small shapes either between "Nested shapes" as a whole or between "Basic shapes" to perform operations between the results of the shapes.

Delete:

Removes the last shape that was added either nested or basic.

Reset:

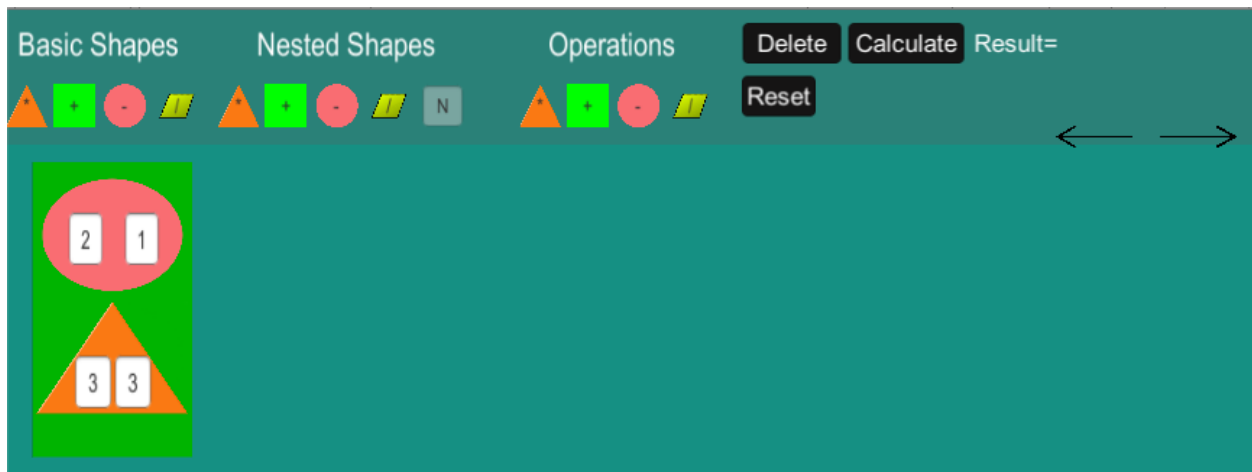Deletes all the added shapes.

Calculate:

 Calculates the result by performing all the operations represented by the shapes.
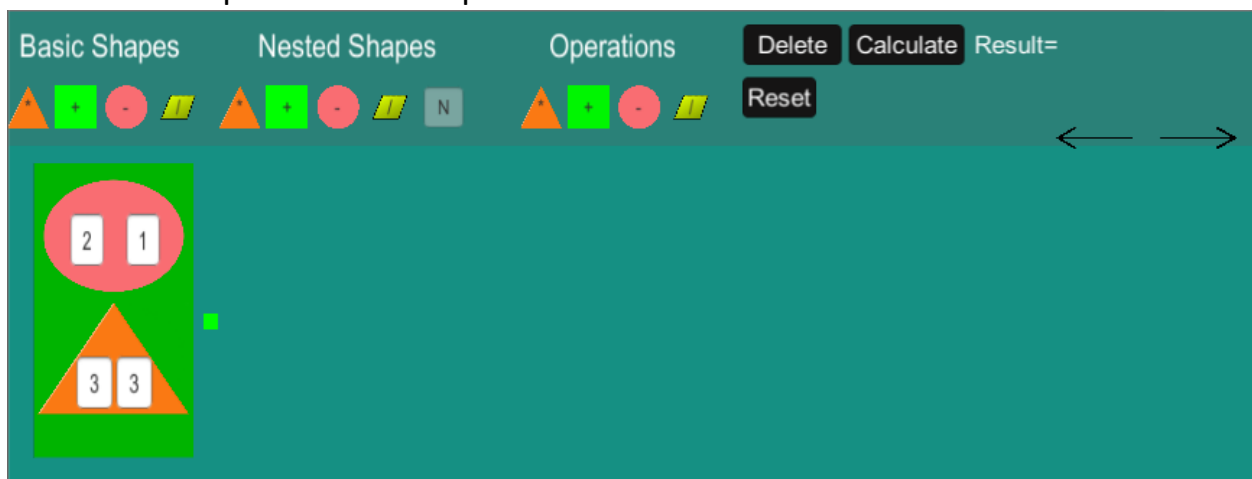
Arrows:

Navigates right and left once many shapes have been added and filled the horizontal line visible in the screen.
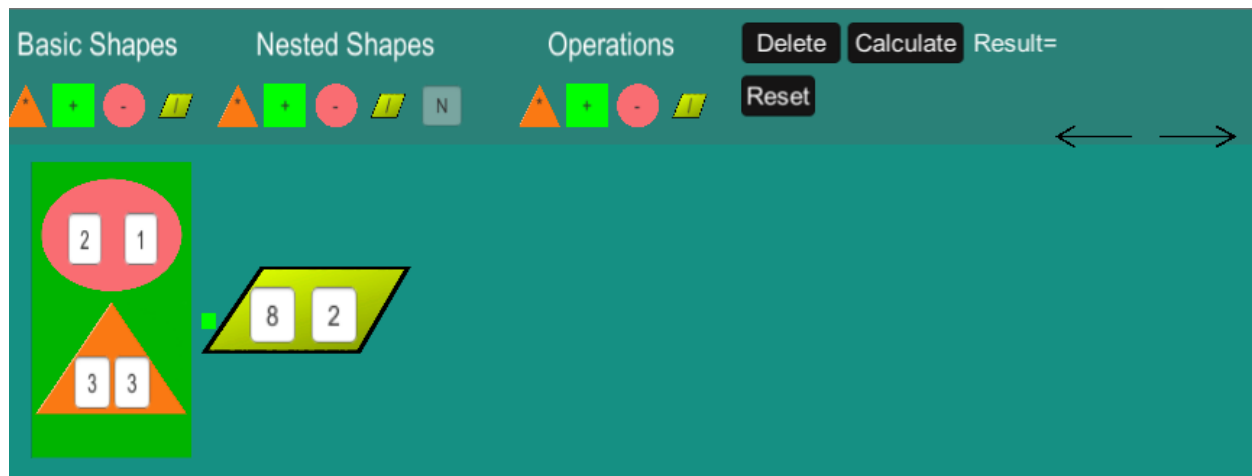
Example :

Start by adding a Nested shape (Addition) and then add two basic shapes (Subtraction and multiplication) and start filling the basic shapes with numbers:
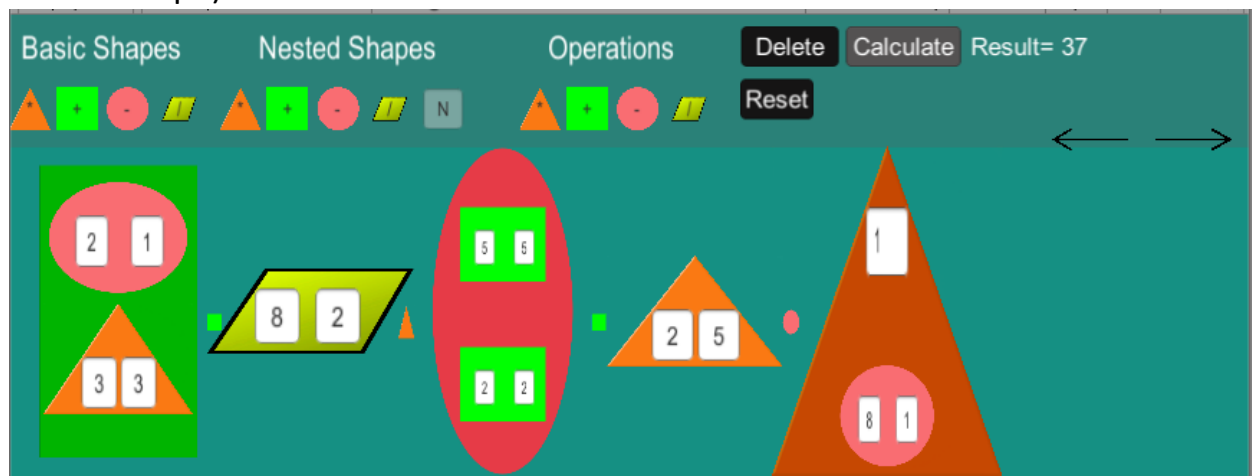

Then add an operation that represents addition:

Then add one basic shape and fill it with numbers:

Then continue by adding more nested shapes and basic shapes (To add a number inside a nested shape you will press on the button labeled N after adding your nested shape):

Finally press calculate button you will get the result 37 as a total result.