

## INSTRUCTIONS:

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### Goal of the Project:

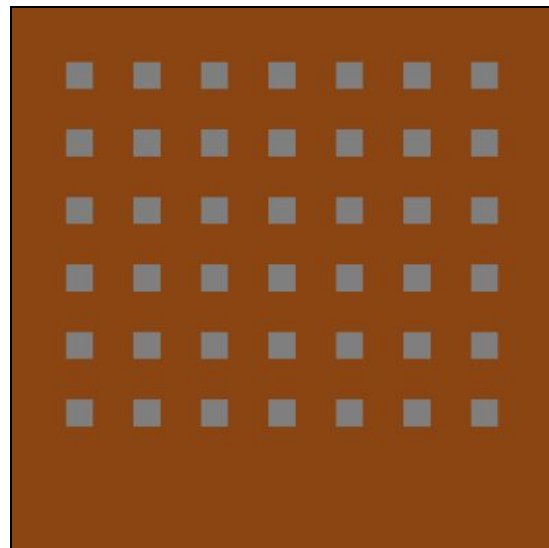
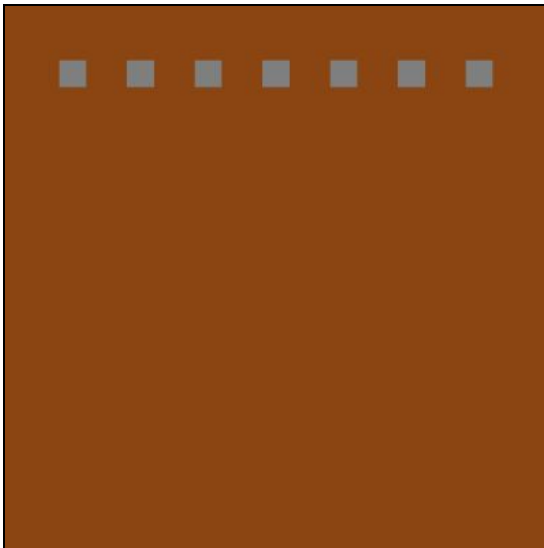
In Class 5 you learned to create abstractions in your code by declaring functions. You also learned to replace repetitive code with a for-loop.

In this project, you will have to practice and apply what you have learned in the class and create the layout of a farm.

### Story:

Richard is a hardworking and dedicated farmer. He is always experimenting with new farming methods and now he wants to grow new crops on his farm.

Help Richard set the locations of the plants in rows as shown in the image on the right. Each gray square is the position of a plant.



**\*This is just for your reference. We expect you to apply your own creativity in the project.**

**Getting Started:**

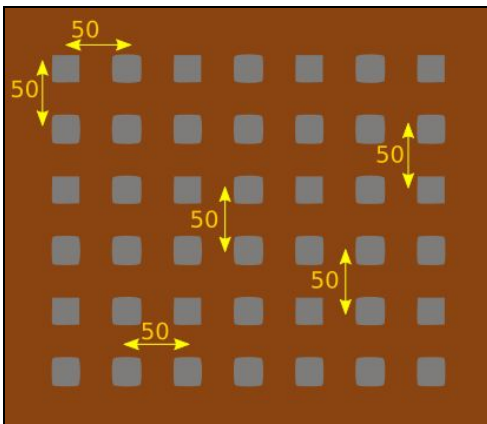
1. Login to code.org
2. Click on the following link: [Project Template](#)
3. Click on "Remix".
4. Rename the project to **Project 5** and click on **Save**.

**Specific Tasks to complete the Project:**

1. One row of vegetables is already created for you, for pumpkins.

```
for (var i = 50; i < 400; i=i+50)
{
    var pumpkin = createSprite(i, 50, 20, 20);
}
```

2. Set the background to brown color for soil.
3. Create 5 more rows with Tomato, Mushroom, Brinjal, Carrot and Spinach.
  - Make sure that there is only one type of vegetable in one row.
  - Arrange the vegetables keeping 50 pixels of space from the nearest vegetable.



4. Click on "**Run**" once to check if the code is working.

\*Refer to the images given above for reference.

### Submitting the Project:

1. SAVE all the changes made to the project.
2. Click the "**SHARE**" button to generate a shareable link.
3. Copy this link and submit it in the Student Dashboard Projects panel against the correct class number.

**Hints:**

1. To set a brown color for the soil, you can use the following code:

```
background( rgb(139, 69, 19) );
```

**REMEMBER...** Try your best, that's more important than being correct.

After submitting your project your teacher will send you feedback on your work.

PROFESSIONAL

## VEGETABLE GARDEN - 1



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