

Kid Coder Challenge Sample 2

Overview:

A great game production company needs to create a new super fun game. You are hired to work on this game production phase. This game will embark on an exciting adventure where you'll become a brave fruit guardian, staying safe from viruses like the coronavirus and discovering the magic of eating healthy fruits.

Mission:

As a talented programmer, you should develop this new game. This game consists of three main points:

3. Dani
4. A fruit
5. A virus



In this game, players take on the role of Dani, the main character who needs to collect as many bananas as possible while avoiding the menacing viruses descending from the sky. Dani's movement is controlled using **left and right keyboard arrows**, allowing players to guide him left and right. Fruits and viruses will descend from the sky in **different positions horizontally**.

Each successfully captured banana rewards Dani with **2 points**. However, you must avoid any touch with viruses. If the player touches any virus, this will result in losing **1 point** from Dani's score. You need to track Dani's progress and calculate his points in the game and show his **score in the top left of the game**.

Bonus Points:

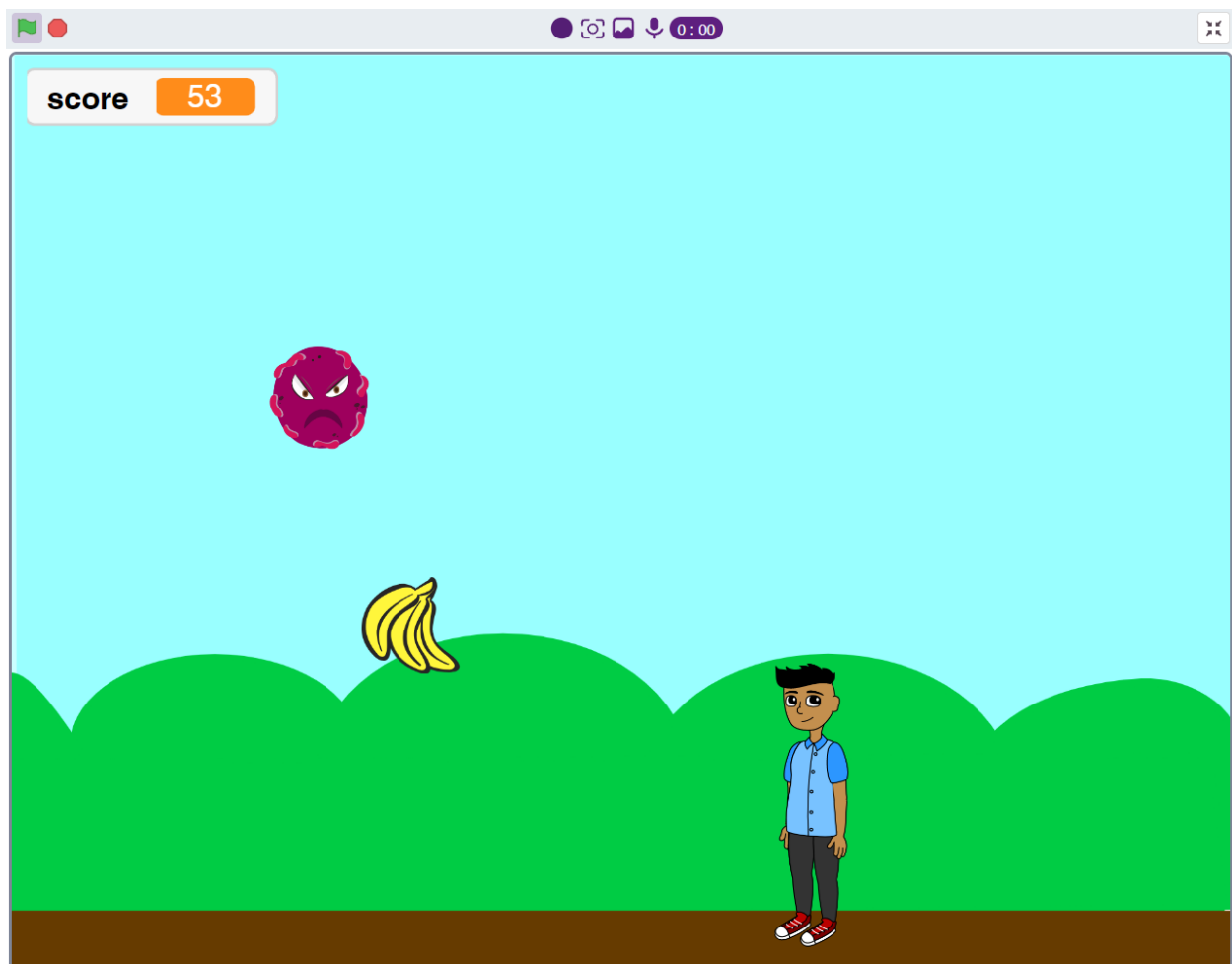
- Use three different fruit customs instead of using only banana sprite. Then switch between them every time the fruit is descending from the sky.
- Use three different virus customs instead of using only a purple virus sprite. Then switch between them every time the virus is descending from the sky.

Expected Game:

You can see the detailed video for this game from this YouTube link:

<https://youtu.be/26Y7ZmWjz5M>

Screenshot from the game:



Useful Hints:

- Use your knowledge of Scratch 3 or PictoBlox to implement this game.
- Use these customs chosen by the company which are:



- Take care of all the details shown in the game video and screenshot.
- Use **variables** to calculate Dani's score in the game.
- Use **events** to control Dani's movements using keyboard arrows.