

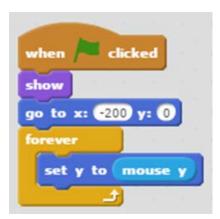
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Scratch Pong

#### **SCRATCH PONG** by Linze Tanudjaja

1 First make the Paddles



First, make a rectangle to make the player's paddle. Make sure the centre is in the middle of the paddle. Then, add this script.







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2 After that duplicate the paddles and add this script

```
when 🎏 clicked
       Level = 1 then
          y position of Sprite3 then
     change y by 4
         y position > y position v of Sprite3 v
     change y by 🚭
      Level = 2 then
         y position 

✓ y position 

✓ of Sprite3
      change y by 6
         y position > y position v of Sprite3 v
     change y by -6
       Level = 3 then
         y position < y position v of Sprite3 v
     change y by 8
          y position > y position v of Sprite3 v then
     change y by -8
       Level = 4 then
         y position < y position of Sprite3
     change y by Ball Speed
          y position > y position v of Sprite3 v then
      change y by Ball Speed - Ball Speed + Ball Speed
```





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#### 3 The Ball

Now you've got to make the ball. Draw a circle in the costume and then add this script. This changes the speed every time the ball hits a paddle



```
when 🦊 clicked
go to x: (1) y: (1)
point in direction pick random 40 to 140
set Ball Speed v to 5
set Press Space * to 0
        Press Space = 0 then
    show
    if on edge, bounce
    move Ball Speed steps
          touching Sprite1 * ? or touching Sprite2 * ? then
      point in direction 360 - direction
      change Ball Speed v by 0.2
            Level = 1 or Level = 2 / or Level = 3 / or Level = 4 / th
            x position > 200 / and touching edge ? ) the
        broadcast Player Wins 🔻
             x position | < -200 | and | touching edge v ?
        hide
        Press Space = 1 the
    set Ball Speed ▼ to 5
    go to x: 0 y: 0
```





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#### 4 The Buttons

To change the difficulty of the computer paddle, we're going to add buttons. Make four buttons that show Easy, Normal, Hard and Impossible. Add these scripts in each of them.

```
when I receive Normal v when I receive Hard v hide hide when I receive Easy v when I receive Impossible v hide
```



After you've done that, add these scripts in the sprites to make them go to a certain spot you want. Change the messages to the difficulty you want.

```
when / clicked

go to x: (15) y: (25)

show

forever

set size to (100) %

if touching mouse-pointer v ? then

set size to (110) %

if touching mouse-pointer v ? and mouse down? then

set Level v to 1

broadcast Easy v

set Press Space v to 1
```





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#### 5 Title Sprites

To show the player what to do, make a title sprite saying Select Difficulty, and add these scripts.



```
when clicked
show
go to x: 15 y: 100
```

```
when I receive Normal v when I receive Hard v hide hide when I receive Easy v when I receive Impossible v hide
```





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6 Start Button

To start the game, make a sprite saying Press Space. This will start the game and make the computer paddle move on its own.



```
when / clicked

forever

if Press Space = 1 then

show

waît 0.5 secs

hide

waît 0.5 secs
```

```
when clicked

go to x: 7 y: -5

hide

forever

if Press Space = 1 then

key space pressed? then

set Press Space = 0 then

hide
```

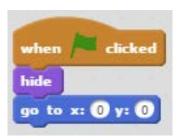




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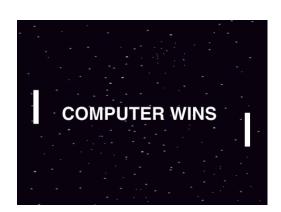
#### 7 Messages

To show a message when either of the players win, make a message sprite and add these scripts.





```
when I receive Computer Wins show
```







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8 You are done, now you can play



