

## Dinosaur:

The image displays the Scratch code for a dinosaur game, organized into four main script areas and a costume sheet.

### Script 1: Initialization

```

when I receive Start Game
  show
  set Starting Y Pos to -123
  set Y Velocity to 0
  go to x: -187 y: Starting Y Pos
  go to front layer
  forever
    Check Jumping -2.7 20.5
  
```

### Script 2: Movement and State Transitions

```

when I receive Start Game
  forever
    if y position = Starting Y Pos then
      switch costume to Walk 1
      wait 0.07 seconds
      switch costume to Walk 2
      wait 0.07 seconds
    else
      switch costume to Normal
  
```

### Script 3: Game Over Logic

```

when I receive Start Game
  wait 0.01 seconds
  forever
    if touching Cactus ? then
      set Game Over? to yes
      broadcast Game Over
      switch costume to Scared
      stop other scripts in sprite
      stop this script
  
```

### Script 4: Jumping and Falling Logic

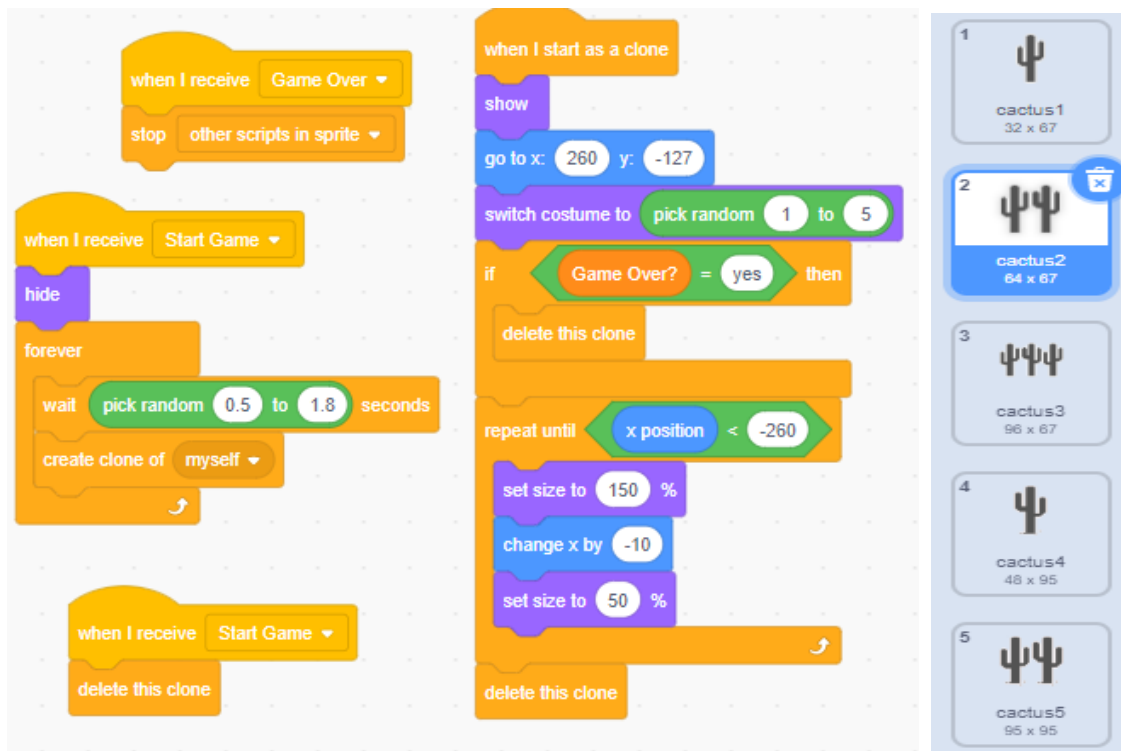
```

define Check Jumping Fall Speed Jump Height
  if not y position + Y Velocity < Starting Y Pos then
    change y by Y Velocity
    change Y Velocity by Fall Speed
  else
    set Y Velocity to 0
    set y to Starting Y Pos
    if key space pressed? then
      set Y Velocity to Jump Height
  
```

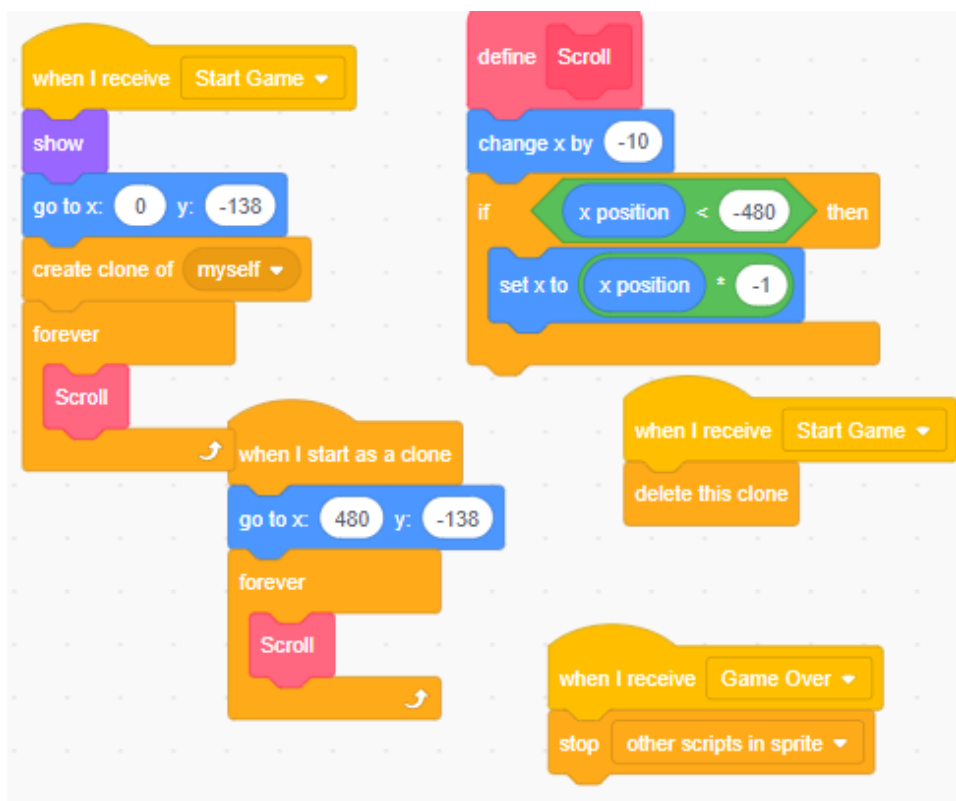
### Costume Sheet

Costume Number	Costume Name	Dimensions
1	Normal	81 x 86
2	Walk 1	81 x 86
3	Walk 2	80 x 86
4	Scared	74 x 79

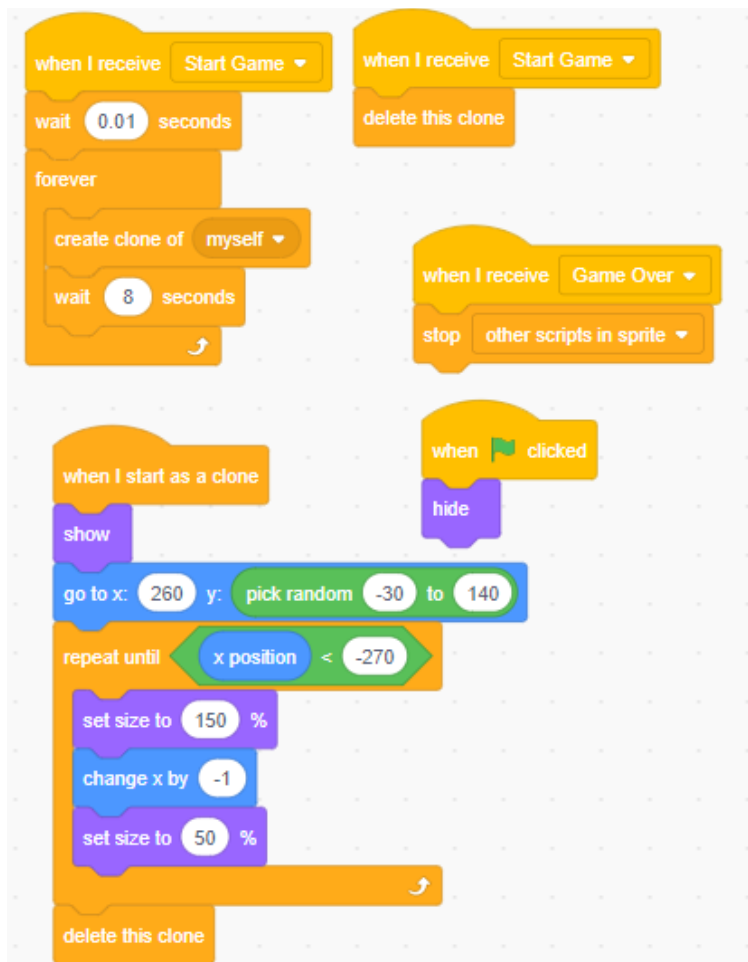
## Cactus:



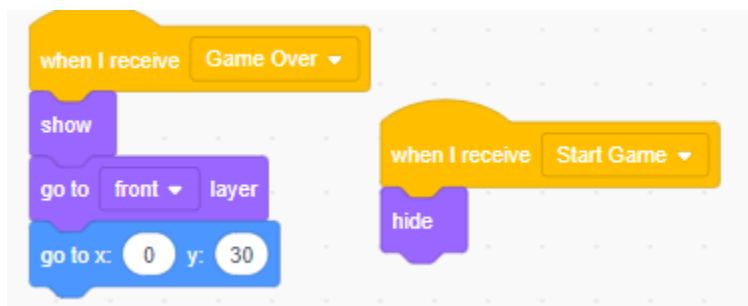
Ground:



Cloud:



Game over:



Retry button:

