Build Your Own Platformer Games

"Pelatihan cara penggunaan GDevelop untuk membuat game platformer"

by Gamekita

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Intro

Game ?

Electronic game that involves human interaction with a user interface to generate visual feedback on a video device such as a TV screen or computer monitor (Wikipedia)

Why DEVELOP ?

Open source, cross-platform game creator designed to be used by everyone - no programming skills required (compilgames.net)

How to get Gdevelop?

Windows

Download

https://github.com/4ian/GD/releases/download/4.0.89/gd4089.exe

Buka folder file dan Jalankan!

Ubuntu

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GDevelop is available for Ubuntu 64bits only!
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Open a terminal by pressing Ctrl + Alt + T.

Then type (and press enter after each line):

sudo add-apt-repository ppa:florian-rival/gdevelop

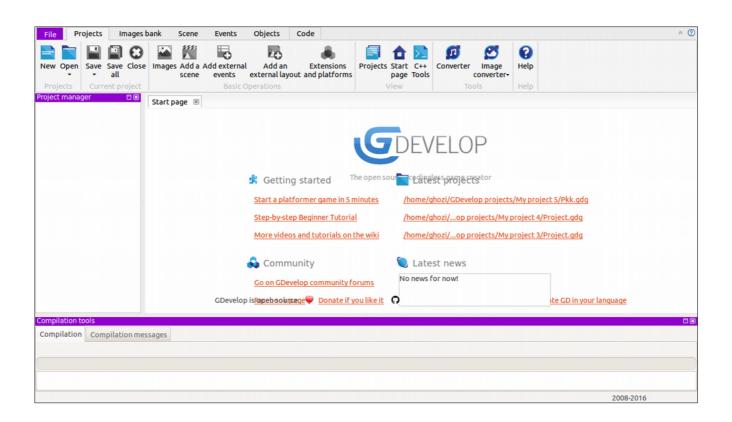
sudo apt-get update

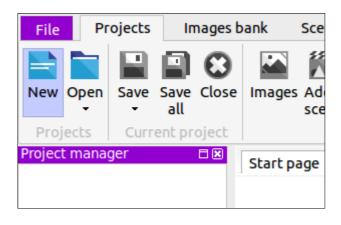
sudo apt-get install gdevelop

You're done! Type GDevelop in the launch search bar to start.

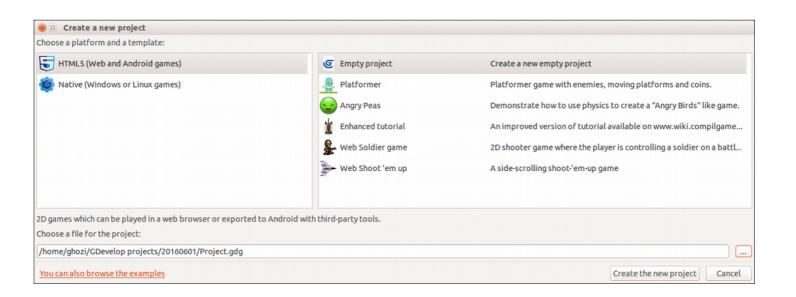
Create project

Start Page



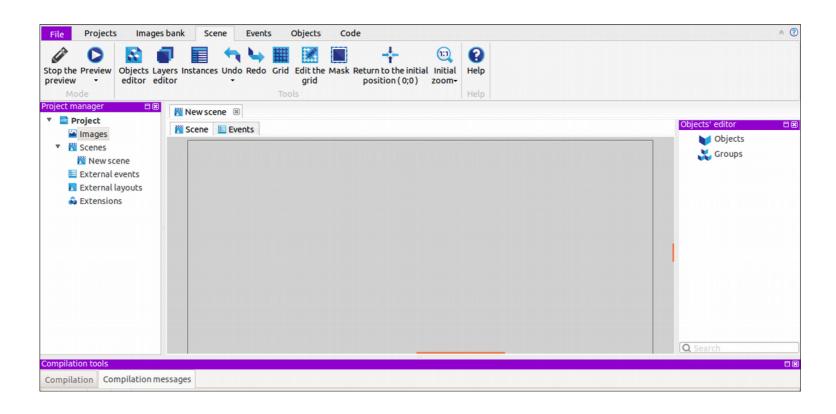


Klik "new"



- Atur Platform nya "HTML 5. . ."
- Pilih Empty project
- Lalu atur folder tempat project
- Setelah selesai klik "Create the new project"

Tampilan awal project



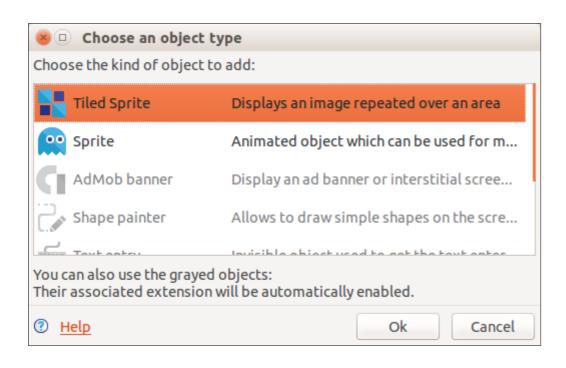
Environment

Background

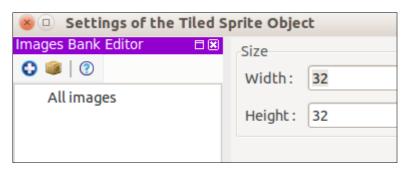
Properties of New scene	1
Basic properties	
Window default title:	
Background color:	
	☑ Deactivate input when focus is lost
	Stop all sounds and musics at startup
Objects internal sort:	O Fast sort (faster but risk of "flickering")
	Stable sort (slower but less "flickering")
Advanced	
OpenGL Field of view:	90 °
First clipping plane distance :	1
Last clipping plane distance :	500
Help	Ok Cancel

- Klik kanan pada "New Scene"
- Pilih "Properties of New . . ."
- Ganti "Background color"
- Lalu tekan "Ok"

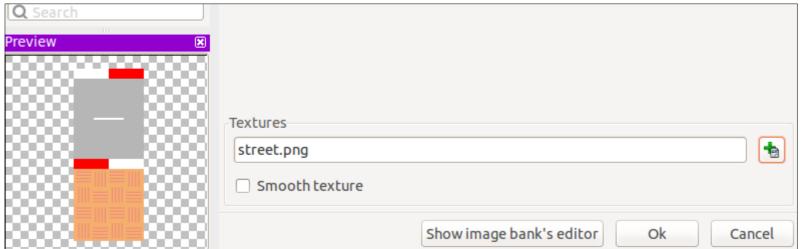
Tiled Sprite

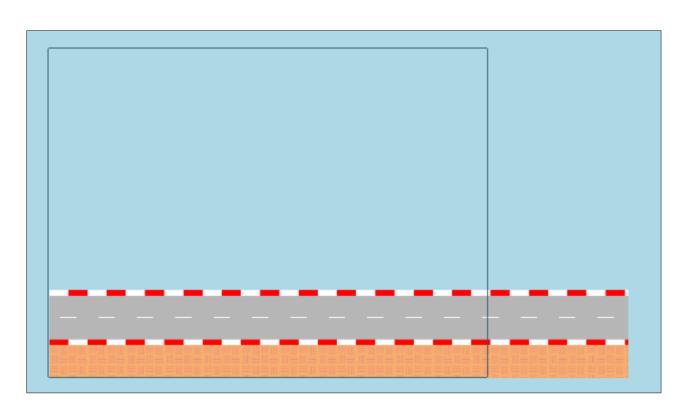


- Klik kanan pada workspace
- Pilih "Insert new object"
- Pilih "Tiled Sprite"

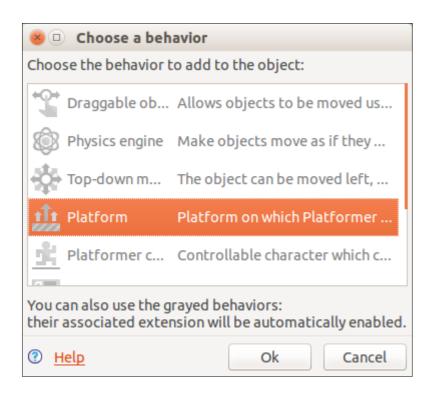


- Pilih tombol "+"
- Masukkan gambar
- Klik gambar yang baru saja dimasukkan lalu klik icon "+" pada Textures



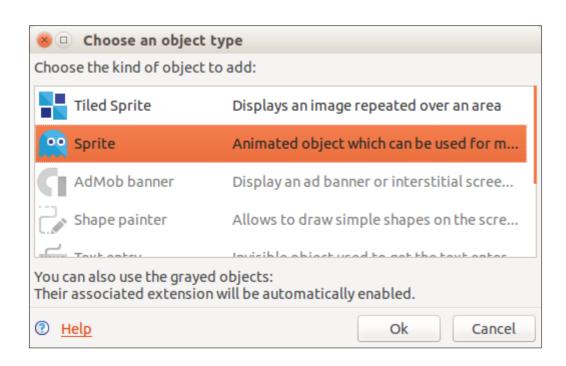


 Besarkan objek maka pattern akan terlihat

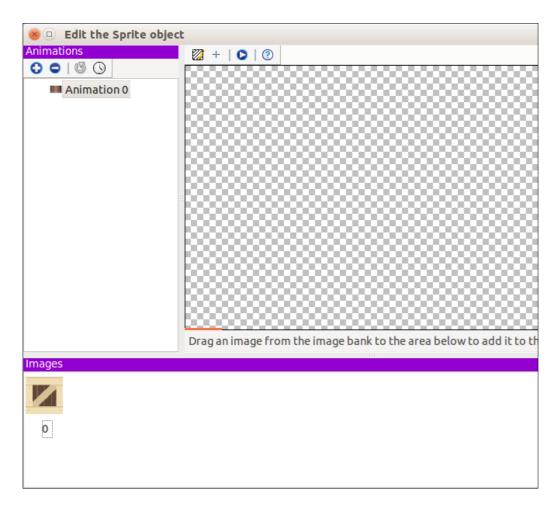


- Klik kanan pada object yang baru saja dibuat
- Pilih "Add a behaviour . . ."
- Lalu pilih "Platform"

Sprite (Platform)

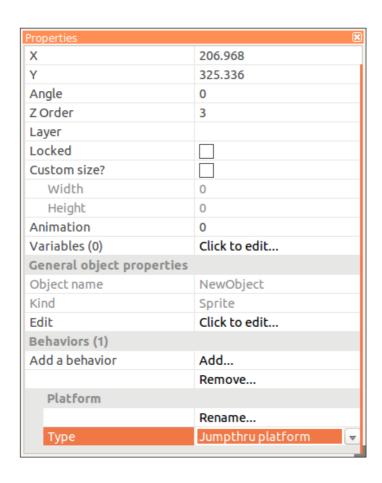


- Masukkan objek baru
- Pilih "Sprite"



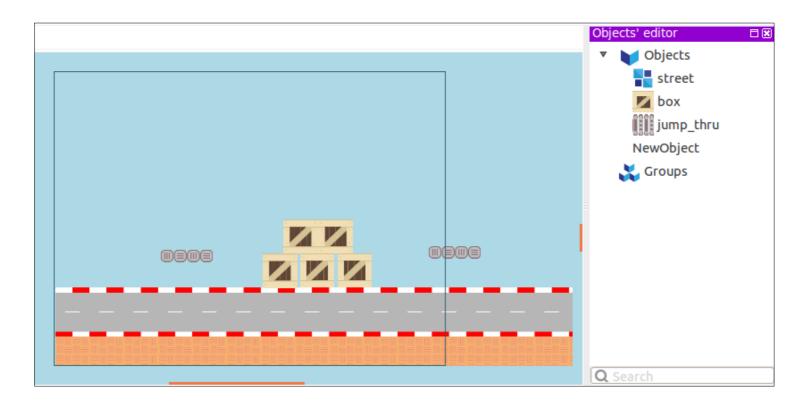
- Klik kanan pada kolom "Images"
- Pilih "Add an image from file"
- Pilih box.png
- Setelah itu beri Behavior Platform

Sprite (Jumpthru Platform)





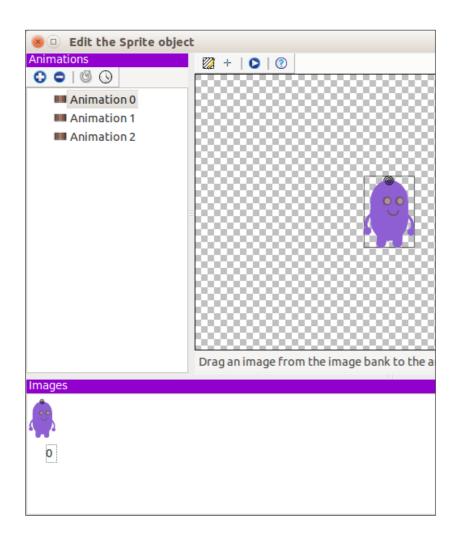
- Lakukan kembali langkah pembuatan sprite (Platform)
- Pilih jump_thru untuk gambar
- Setelah memassukkan behavior, atur Platform-Type menjadi "Jumpthruplatform"



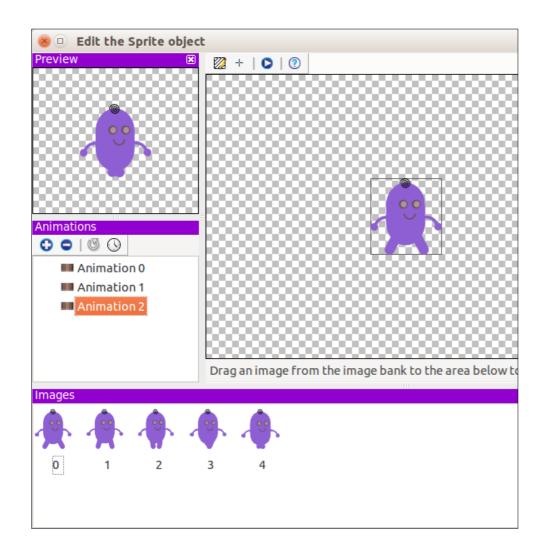
Tips:

- Ubah nama setiap objek setelah pembuatan objek dan save project
- Untuk duplikasi objek, lakukan dengan cara tekan "Ctrl" + drag drop objek yang ingin di duplikat

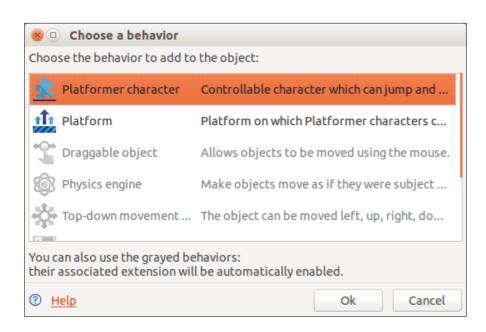
Player



- Buat objek baru dengan tipe Sprite
- Tambahkan 3 Animation dengan menekan tombol "+" pada kolom Animations Animation 0 (Stand) Animation 1 (Jump) Animation 2 (Walk)
- Untuk menambahkan gambar pada animation, pilih animation yang ingin ditambahkan gambar. Klik kanan lalu pilih "Add an image . . ."



- Untuk menjalankan animasi berjalan klik icon "Play"
- Atur waktu perpindahan gambar dengan menekan tombol semenjadi 0.05
- Untuk mengulang perpindahan gambar, tekan tombol



Masukkan behaviour "Platformer character"

Masukkan event seperti ini

1	≰player is jumping	Do =1 to the number of current animation of player
2	≰player is falling	Do =1 to the number of current animation of player
3	≰player is on floor	No actions
	1 <u>kplayer</u> is moving	Do =2 to the number of current animation of player
	2 🛊 🕏 player is moving	Do =0 to the number of current animation of player
4	ARight key is pressed	♣Flip horizontally player : no
5	ALeft key is pressed	♣ Flip horizontally player : yes

Camera

Masukkan event event untuk kamera agar mengikuti player

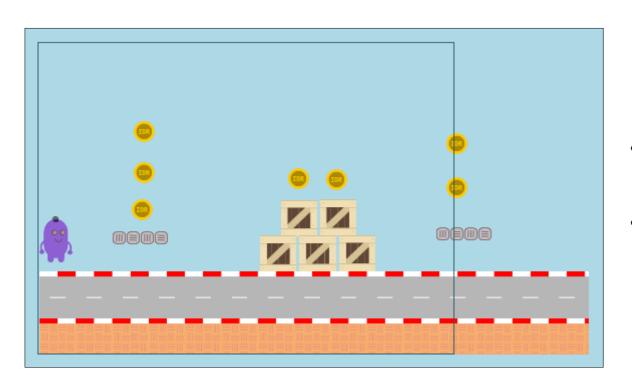
No conditions

© Center camera on Player (layer: , camera:)

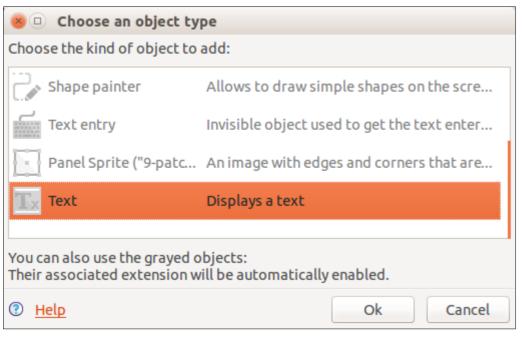
Add a condition

Highlight then an event/action your one cursor to get more edition options, or make a double click to edit an item.

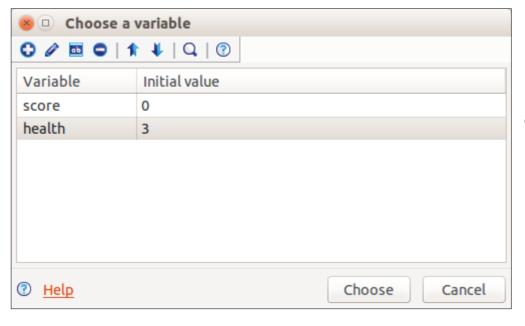
Coin + Score



- Masukkan objek baru bertipe sprite tanpa behaviour untuk gambar coin
- Perbanyak agar terlihat menarik



- Tambahkan objek baru bertipe Text
- Beri nama "scoreText"

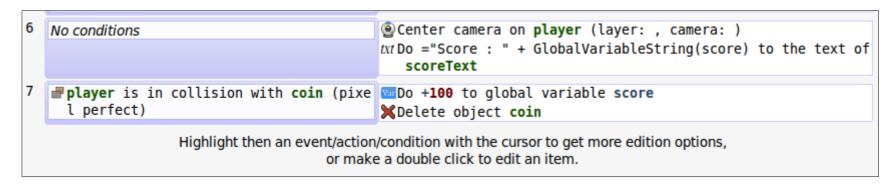


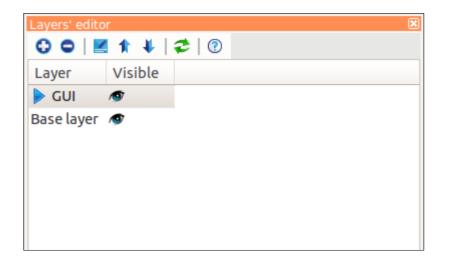
• Buat 2 variabel global baru yaitu :

score = 0

health = 3

- Tambahkan Event agar objek scoreText menampilkan variabel score
- Tambahkan Event ketika player bersentuhan dengan coin

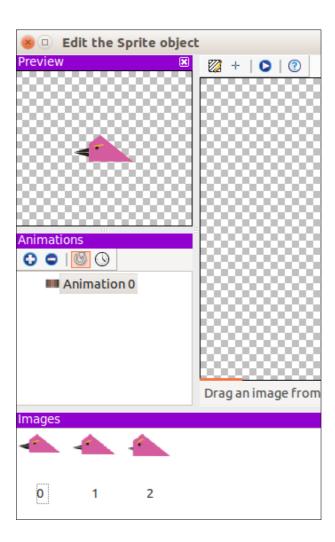




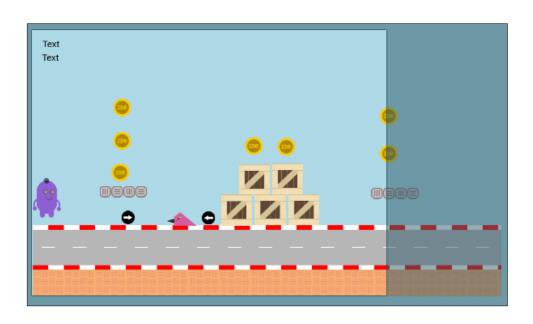
- Buat Layer baru bernama GUI
- Masukkan scoreText kedalam layer GUI, atur pengaturan dalam properties
- Setelah itu klik "Return to the initial . . ." dan "Mask"



Enemy + Health

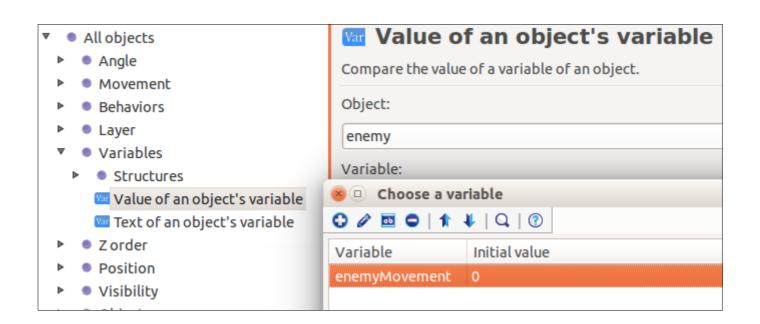


- Tambahkan objek baru dengan nama "enemy"
- Aktifkan loop dan atur waktu pergantian gambar menjadi 0.05 detik

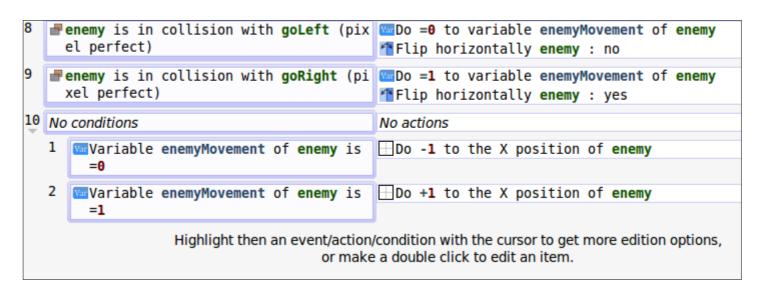




 Tambahkan objek baru "goLeft" dan "goRight", serta objek teks untuk health dengan nama "healtText"



 Tambahkan objek pada variabel dengan nama "enemyMovement" dengan inisialisasi = 0



Tambahkan Event diatas untuk pergerakan Enemy

*Lakukan langkah-langkah pergerakan Enemy untuk pergerakan awan

el perfect)

Allow player to jump again

Allow player to jump key for player

Simulate pressing Jump key for player

• Tambahkan event ketika Player membunuh Enemy

11 **■ player** is in collision with **enemy** (pix XDelete object **enemy**

Atur supaya objek "helathText" menampilkan variabel "health"

 Tambahkan event diatas untuk menghilangkan gambar "goLeft" dan "goRight" diawal game

Sound + Music

Sound

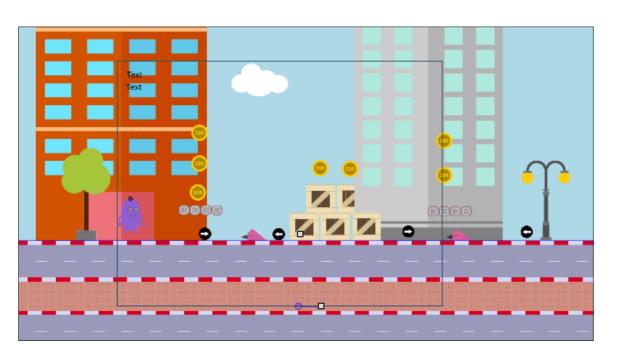
Tambahkan sound pada saat player menyentuh coin



Tambahkan musik ketika dari awal scene

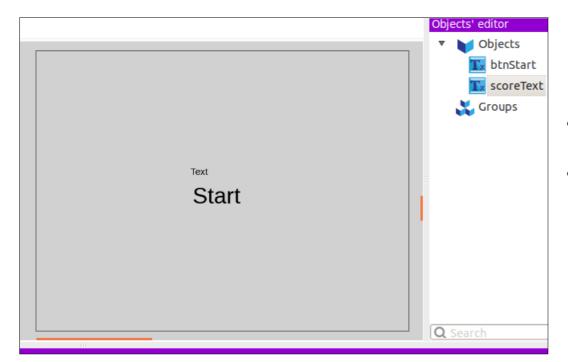
16 Music on channel 0 is stopped Play the music Hall_of_the_Mountain_King.ogg on channel 0

Finishing

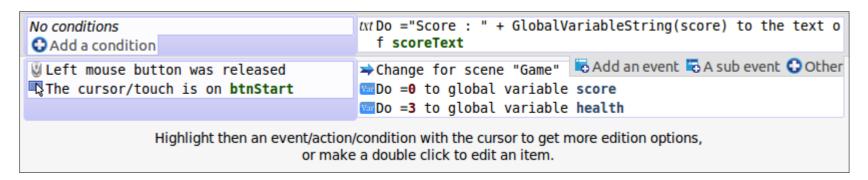


Tambahkan objek-objek berikut untuk mempercantik game :

- Lamp (behaviour Platform)
- Tree (behaviour Platform)
- Building
- Cloud



- Ubah nama scene sebelumnya menjadi "Game"
- Buat scene baru bernama "Start" dengan 2 objek text yaitu "scoreText" dan "btnStart"



Masukkan event-event berikut :

- Menampilkan variabel score pada "scoreText"
- Berpindah scene ke Game

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14 

player is in collision with lamp (pixe 
l perfect)

Change for scene "Start"

| perfect |
```

Masukkan event-event berikut pada scene untuk berpindah ke scene start :

- Ketika player menyentuh lamp
- Ketika health = 0

Tutorial by Gamekita

Assets by Gamekita

Music by
Hall of the Mountain King - Kevin MacLeod
(http://incompetech.com/music/royalty-free/?keywords=USUAN1200072)

Sound by Coin from GDevelop Platformer

Inspired by GDevelop Platformer

Facebook by GameKita Community

Twitter by @GameKitaStudio