

## Part 16 - Jelly Monsters

We need something to create challenge in the game. Alien jelly monsters are the obvious choice. Lots of them. Here's a sprite sheet for the monsters:



Right click and save to the data/texture folder in our project as "monster.png".

Create a graphic from the sprite sheet in the config:

```
[MonsterGraphic]
Texture          = monster.png
TextureOrigin   = (0, 0, 0) ;required by the animation system for sizing.
TextureSize     = (32, 32, 0)
Pivot           = center
```

We need an object:

```
[MonsterObject]
Graphic         = MonsterGraphic
AnimationSet    = MonsterAnimationSet
Position       = (-310, -210, 0)
Scale          = 2.0
```

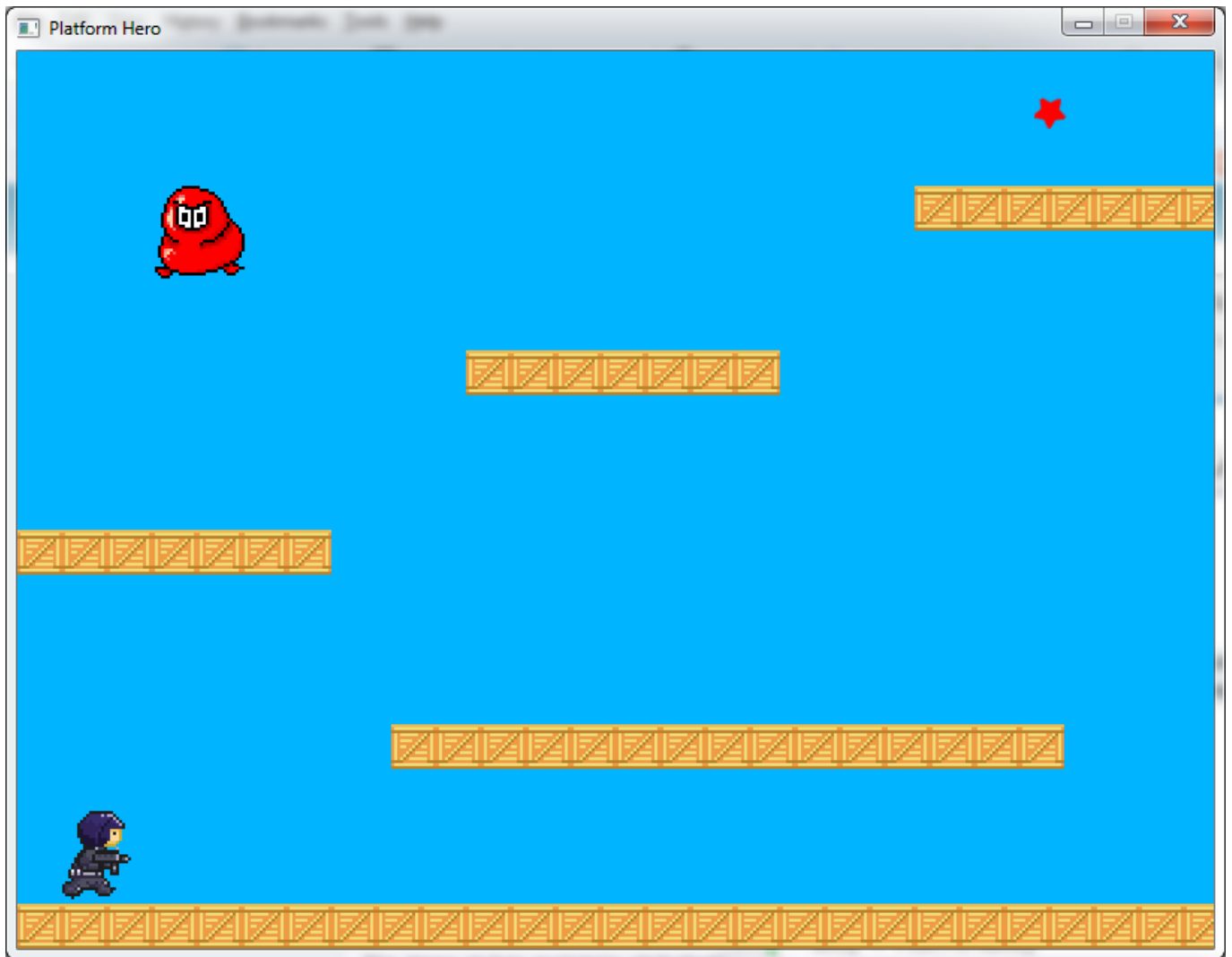
Then to define the animation set and the one animation we need:

```
[MonsterAnimationSet]
Texture          = monster.png
KeyDuration      = 0.1
FrameSize       = (32, 32, 0)
MonsterWobbleAnim = -1 ;use the entire sheet
StartAnim       = MonsterWobbleAnim
MonsterWobbleAnim-> = MonsterWobbleAnim
Pivot           = center
```

Just so you can see the monster working... add a MonsterObject to the Scene childlist:

```
[Scene]
ChildList = PlatformObject # MiddlePlatformObject #
TopLeftPlatformObject # TopPlatformObject #
TopRightPlatformObject #
StarObject # MonsterObject
```

Run the game and you'll see a monster wobbling in the top left hand corner of the screen:



We need more than one monster, very soon we'll make lots of them drop out of the sky.

Last job is to give the monster a body and ensure he collides with platforms, bullets, and our hero:

```
[MonsterObject]
Graphic      = MonsterGraphic
AnimationSet = MonsterAnimationSet
Position     = (-310, -210, 0)
Scale       = 2.0
Body        = MonsterBody

[MonsterBody]
Dynamic = true
PartList = MonsterBodyPart

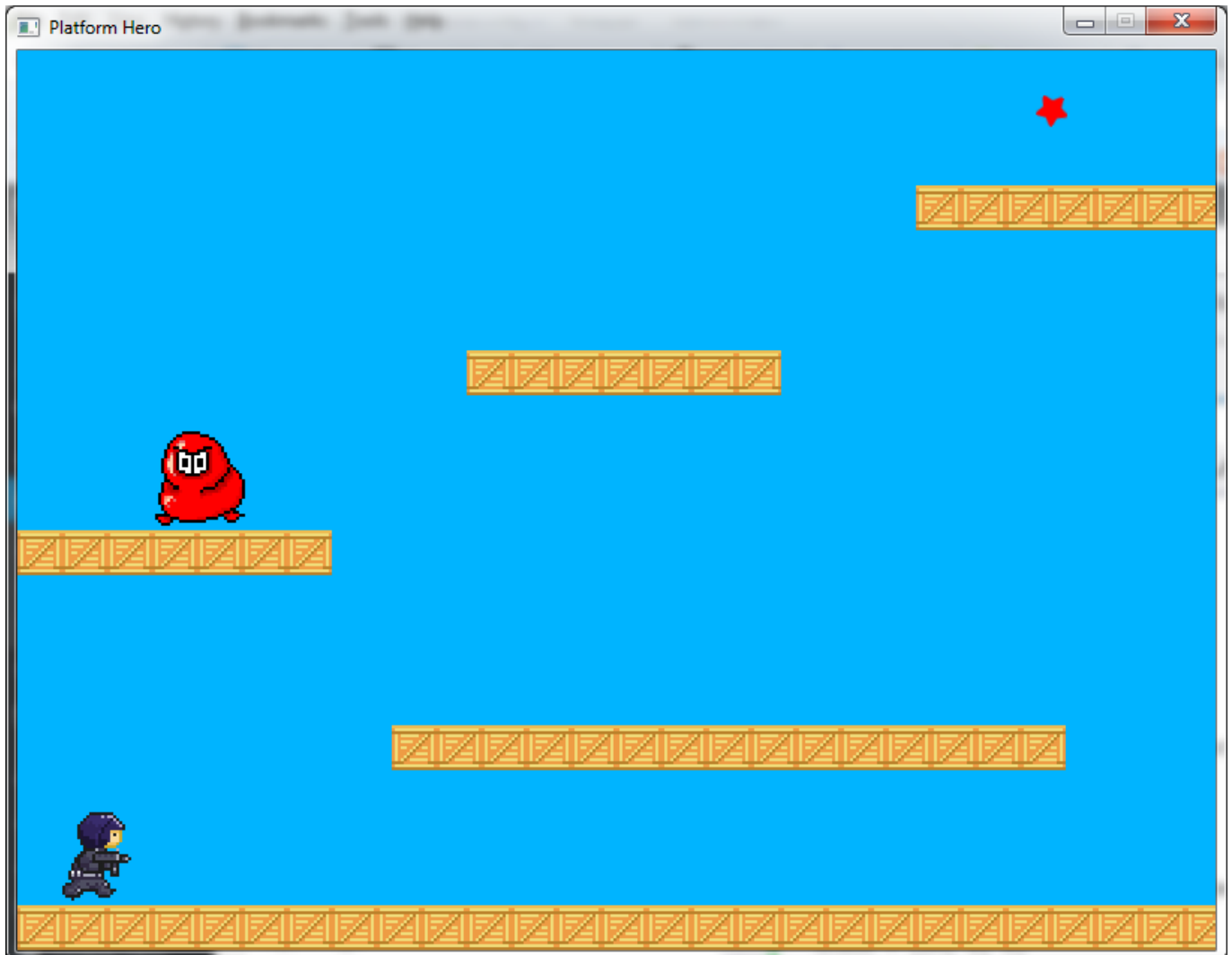
[MonsterBodyPart]
Type      = box
Solid     = true
SelfFlags = monster
CheckMask = hero # platforms # bullet
```

And add monster to the PlatformBody so that collisions work on both object types:

```
[PlatformBodyPart]
```

```
Type      = box  
Solid     = true  
SelfFlags = platforms  
CheckMask = hero # monster
```

Run it again and the monster should drop down onto a platform.



Next: [Part 17 - Timeline Tracks.](#)

- [Part 1 - Downloading Orx](#)
- [Part 2 - How Orx works](#)
- [Part 3 - Setting up a new game project](#)
- [Part 4 - A tour of an Orx project](#)
- [Part 5 - Viewport and the camera](#)
- [Part 6 - Objects](#)
- [Part 7 - Spritesheets and Animation](#)
- [Part 8 - Platforms and Texture Repeating](#)
- [Part 9 - Physics](#)

- [Part 10 - Input Controls](#)
- [Part 11 - Running and Standing](#)
- [Part 12 - Changing Direction](#)
- [Part 13 - Getting our hero to shoot](#)
- [Part 14 - FX](#)
- [Part 15 - Collision Events.](#)
- [Part 16 - Jelly Monsters](#)
- [Part 17 - Timeline Tracks](#)
- [Part 18 - Exploding Monsters](#)
- [Part 19 - The Hero's survival.](#)
- [Part 20 - Text and Game Over](#)

From:  
<https://orx-project.org/wiki/> - **Orx Learning**

Permanent link:  
[https://orx-project.org/wiki/en/guides/beginners/jelly\\_monsters?rev=1530200364](https://orx-project.org/wiki/en/guides/beginners/jelly_monsters?rev=1530200364)

Last update: **2025/09/30 17:26 (8 months ago)**

