In [1]:
```
import cv2
import tensorflow as tf

CATEGORIES = ["zeldaPlayablelevels", "zeldaUnplayablelevels"]  # will use this
to convert prediction num to string value


def prepare(filepath):
    IMG_SIZE = 100
    img_array = cv2.imread(filepath, cv2.IMREAD_GRAYSCALE)
    img_array = img_array/255.0
    new_array = cv2.resize(img_array, (IMG_SIZE, IMG_SIZE))
    return new_array.reshape(-1, IMG_SIZE, IMG_SIZE, 1)
```

In [2]:
```
model = tf.keras.models.load_model("4-conv-32-nodes-4-dense-1593482505.model")
```

In [3]:
```
prediction = model.predict([prepare('test/zeldaPlayablelevels/l1.jpg')])
print(prediction)  # will be a list in a list.
print(CATEGORIES[int(prediction[0][0])])
```

```
[[0.5051935]]
zeldaPlayablelevels
```

As we have loaded the image from the test dataset, the prediction is correct

In [4]:
```
#prediction = model.predict([prepare('Testing/zeldaUnplayablelevels/l15.jp
g')])
#print(prediction)  # will be a list in a list.
#print(CATEGORIES[int(prediction[0][0])])
```