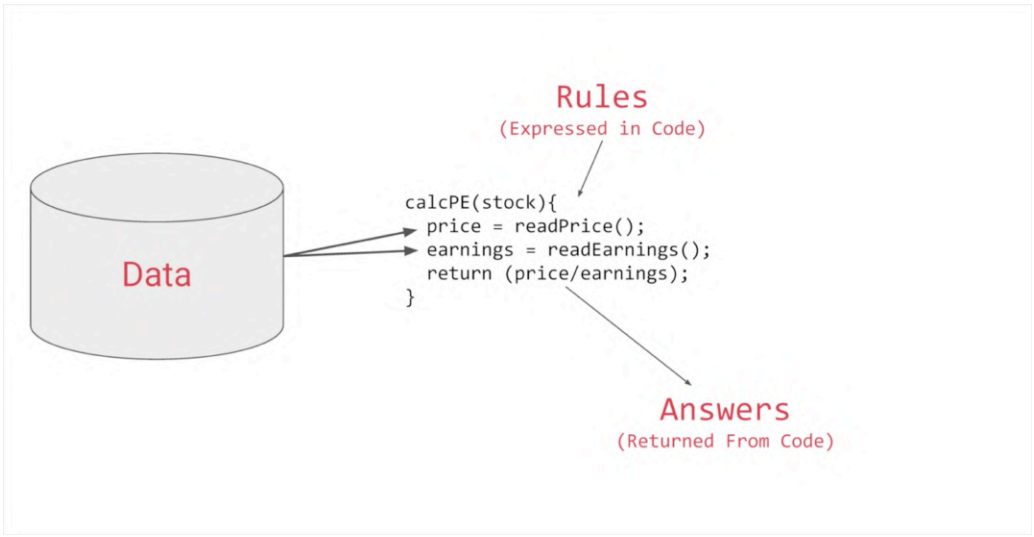
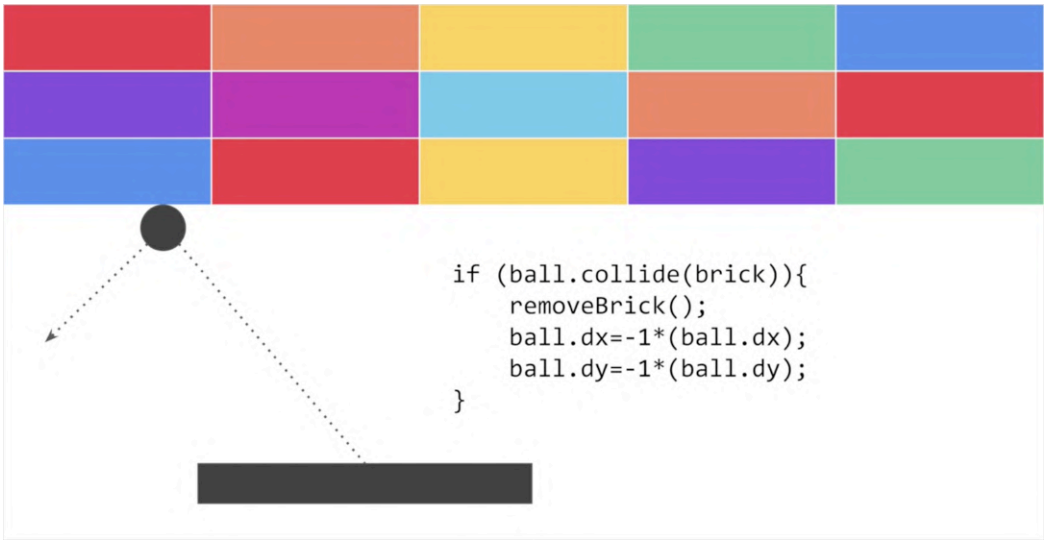
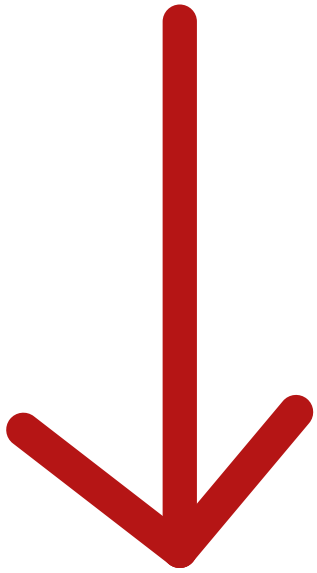
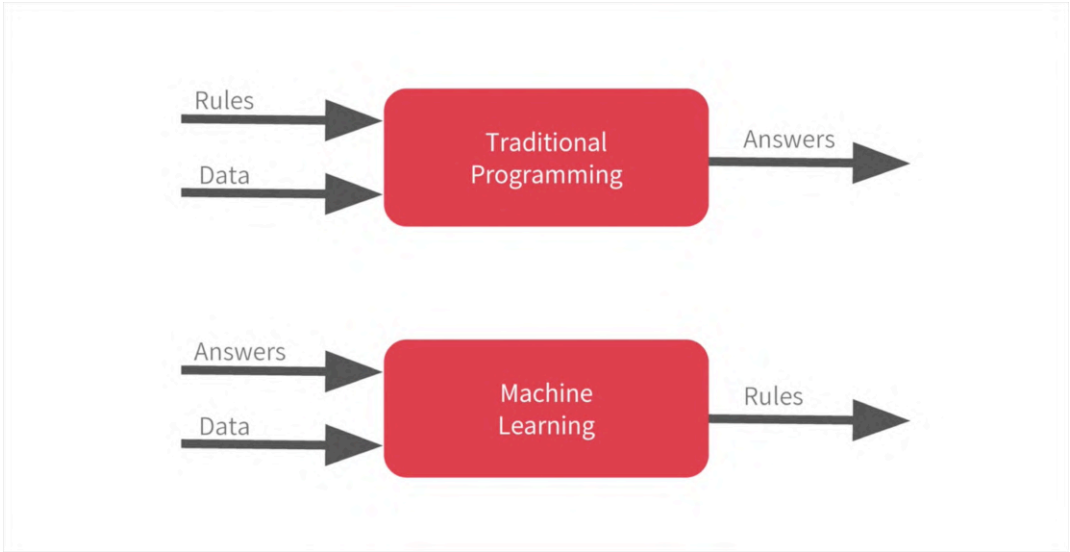

Rules
(Expressed in Code)
Data
calcPE(stock){
price = readPrice();
earnings = readEarnings();
return (price/earnings);
}
Answers
(Returned From Code)


if (ball.collide(brick)){
removeBrick();
ball.dx=-1*(ball.dx);
ball.dy=-1*(ball.dy);
}





X = -1, 0, 1, 2, 3, 4

Y = -3, -1, 1, 3, 5, 7

```
model = keras.Sequential([keras.layers.Dense(units=1, input_shape=[1])])
model.compile(optimizer='sgd', loss='mean_squared_error')

xs = np.array([-1.0, 0.0, 1.0, 2.0, 3.0, 4.0], dtype=float)
ys = np.array([-3.0, -1.0, 1.0, 3.0, 5.0, 7.0], dtype=float)

model.fit(xs, ys, epochs=500)

print(model.predict([10.0]))
```

Successive layers are defined in sequence

Use the word dense to define a layer of connected neurons

One Neuron

Optimizer thinks about how good or how badly the guess was done using the data from the loss function

Measures how good or how bad its guess was

Go through the training loop 500 times