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[3]:
```
# taking the input values and the weights and set the threshold values
x_input = [0.1,0.5,0.2]
w_weights = [0.4,0.3,0.6]
threshold = 0.5

# create the function
def step(weighted_sum):
    if weighted_sum > threshold:
        return 1
    else:
        return 0

def perceptron():
    weighted_sum = 0
    for x,w in zip(x_input,w_weights):
        weighted_sum   += x*w
        print(weighted_sum)
    return step(weighted_sum)

output = perceptron()
print("output: " + str(output))
```

```
0.04000000000000001
0.19
0.31
output: 0
```

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