

notebook384a201829 | Kaggle x WhatsApp x Intro\_to\_AI\_Lab-Programs/depth x +

kaggle.com/jayanthn7/notebook384a201829/edit

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```
def pour(jug1, jug2):
    max1, max2, fill = 3, 4, 2 #Change maximum capacity and final capacity
    print("%d\t%d" % (jug1, jug2))
    if jug2 is fill:
        return
    elif jug2 is max2:
        pour(0, jug1)
    elif jug1 != 0 and jug2 is 0:
        pour(0, jug1)
    elif jug1 is fill:
        pour(jug1, 0)
    elif jug1 < max1:
        pour(max1, jug2)
    elif jug1 < (max2-jug2):
        pour(0, (jug1+jug2))
    else:
        pour(jug1-(max2-jug2), (max2-jug2)+jug2)

print("JUG1\tJUG2")
pour(0, 0)
```

JUG1 JUG2  
0 0  
3 0  
0 3

Console

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pour(0, 0)
```

JUG1 JUG2  
0 0  
3 0  
0 3  
3 3  
2 4  
0 2

+ Code + Markdown

Console

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