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#Problem Statement: Problem Statement:
Implement Water-Jug Problem using Rule Based
Reasoning Technique.
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max1= int(input("Capacity of max1:"))
max2= int(input("Capacity of max2:"))
fill= int(input("Capacity for fill:"))
def pour(jug1,jug2):
    print("%d\t%d" % (jug1,jug2))
    if(jug2==fill):
        return
    elif jug1 !=0 and jug2==0:
        pour(0,jug1)
    elif jug1==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)
```

OUTPUT:

```
Capacity of max1:3
Capacity of max2:4
Capacity for fill:2
jug1 jug2
0    0
3    0
0    3
3    3
2    4
2    0
0    2
```