EXPERIMENT – 1

Python program for solving water jug problem

def pour(jug1,jug2):

max1,max2,fill = 5,7,4

print("%d\t%d"%(jug1,jug2))

if jug2 is fill:

return

elif jug2 is max2:

pour(0,jug1)

elif jug1 !=0 and jug2 == 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)

OUTPUT

