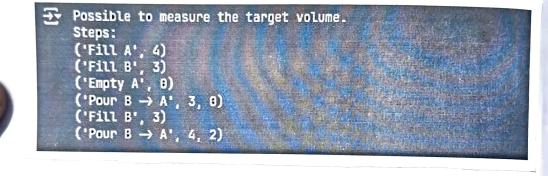
PROGRAM def water-ing-offs (capt capt, target) del alfsia, b, path: if carbo in usited. geturn false usited add ((a,b)) if a == target or b == target. steps append coath Seturn Tour selber (dfs ccapA, h, path + C'Eill A'3)or alfo (a, capB, rath + [File B']) or offs (a,b, path + [Empty A]) or ofs (a, 0, rath + Carph) B' J) or ofs (a, cape b) path + (range) offs (a+min Cb, CapA -a) roman CbrapA - GO, earh From viskdsset() SKRS-C3 found offs (go, t) rehin found steps

GOOGLE COLLAB



OUTPUT:

Steps:

('File A1, 4)

('Fill B', 3)

('EpphyA',0)

(* POUX B-) A', 3,6)

(1POUT B-)A', 4,2)

	classmate
	Date Page
0 09 2029	
,	EXPNO: 3
	EXPHAME: DES WATER JUG PROPLEM
	AIM: To implement the DFS Water Jug Probilem
	in python.
	W 19 Contraction of the contract
	ALGORITHM:
	D water jug afs(A,B, target): Main function
	breate a set of visited States.
	2) Igrate sequence of operations,
	2) if (a,b) has loven visited return False.
	4) brenerate Possible moues.
	· Eill Jug A
	· Fill Jing B
	· Emphy Jug A
	Emply Jug B
	· Pour water from ABB
	· Pour water from B to A
	5) call prs function.
	·
	9/04/7
7	Marchan heen implemented for
	Thus DFS has been implemented form water jug problem.
	Water Jug/ publics.