

## Practical - 2

### **Program Definition:**

Write a python program to solve a Water Jug Problem by using Breadth first search (BFS).

### **Output:**

```
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Enter the capacity of jug1: 4
Enter the capacity of jug2: 3
Enter the target amount of water in Jug 1. If none, enter -1: 2
Enter the target amount of water in Jug 2. If none, enter -1: 0
Do you want to perform manual execution? (y/n): n
Time taken with BFS: 1.001596450805664 milliseconds
Your path is: [0, 0]->[0, 3]->[3, 0]->[3, 3]->[4, 2]->[0, 2]->[2, 0]
```