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//
// RAM.swift
// SimulatedPageAllocation
//
// Created by Brandon Baars on 4/3/18.
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//

import Foundation

class RAM {

    public var RAM: [Frame]
    private var freeRAM: [Frame]
    private var RAMSize: Int

    init(sizeOfRam size: Int) {

        RAM = [Frame]()
        freeRAM = [Frame]()
        RAMSize = size

        for index in 0..

```

```

// values accordingly.
for (index, frame) in freeRAM.enumerated() {
    if index >= totalFrames {
        break
    } else {
        RAM[frame.index].isOccupied = true
        RAM[frame.index].data = process

        // if it's our code part, add our code
        // part to the associated frame
        if codeCount < process.numOfCodePages {
            RAM[frame.index].type = .code
            process.addFrameToPageTable(withFrame:
                RAM[frame.index])
            codeCount += 1

            // add our data part to the associated frame
        } else {
            RAM[frame.index].type = .data
            process.addFrameToPageTable(withFrame:
                RAM[frame.index])
            dataCount += 1
        }
    }
}

// reset each frame in our array
public func resetRAM() {
    for index in 0..

```