August 27, 2019

Topic: DEADLOCKS

Q 1: Consider a system which has three resource types X, Y and Z, which are shared by three processes. There are 5 units of each resource type. Consider following scenario where Allocation column denotes number of instances of each resource allocated to each process and column request denotes the number of units of each resource type requested by each process to complete its execution. Print the safe sequence for execution processes and print number of resources available after execution of each process by using C programming language.

	Allocation			Request			Max		
	X	Y	Z	X	Y	Z	X	Y	Z
P0	1	2	1	1	0	3	2	2	4
P1	2	0	1	0	1	2	2	1	3
P2	2	2	1	1	2	0	3	4	1

NOTE: A process cannot request more resources then it requires to execute.