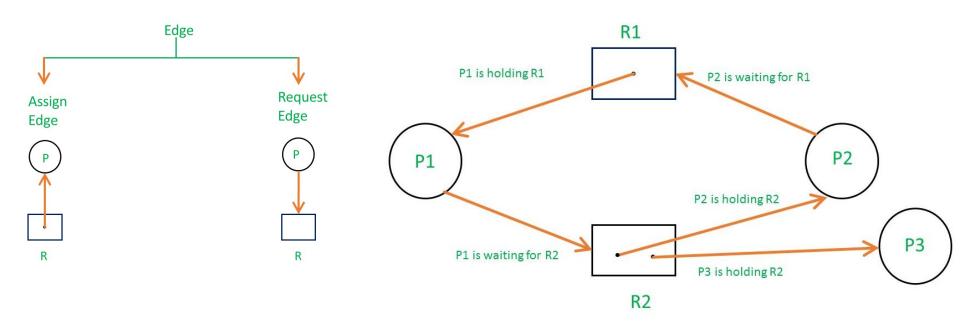
Week 6 - Tutorial

Resource Allocation Graph



MULTI INSTANCES WITHOUT DEADLOCK

Process	Allocation		Request	
	Resource		Resource	
	R1	R2	R1	R2
P1	1	0	0	1
P2	0	1	1	0
Р3	0	1	0	0

Safe or Not

```
Available = 0 0 (As P3 does not require any extra resource to complete the execution and after P3 0 1 completion P3 release its own resource)

New Available = 0 1 (As using new available resource we can satisfy the requirement of process P1 P1 1 0 and P1 also release its prevous resource)

New Available = 1 1 (Now easily we can satisfy the requirement of process P2) P2 0 1

New Available = 1 2
```