### **DEADLOCK AVOIDANCE**

### Aim:

To find out a safe sequence using Banker's algorithm for deadlock avoidance.

## Algorithm:

- 1. Initialize work=available and finish[i]=false for all values of i
- 2. Find an i such that both:

finish[i]=false and Needi<= work

- 3. If no such i exists go to step 6
- 4. Compute work=work+allocationi
- 5. Assign finish[i] to true and go to step 2
- 6. If finish[i]==true for all i, then print safe sequence
- 7. Else print there is no safe sequence

## Program:

# OUTPUT-

```
[csel6@localhost ~]$ vi ex9.c
[csel6@localhost ~]$ cc ex9.c
[csel6@localhost ~]$ ./a.out
Safe Sequence: P1 -> P3 -> P4 -> P0 -> P2
```