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

Morrish work-available and finish[i]-false for all values of i

2 Find an i such that both:

finish[i]=false and Need <= work

him such i exists go to step 6

L Compute work=work+allocationi 5. Assign finish[i] to true and go to step 2

h finish[i]—true for all i, then print safe sequence

1. Else print there is no safe sequence

Program Code:

\*includer Holio. (w) & Whitem this

> int p, c, count = 0, i, i, alc [3][3], max[5] read [5][3]; refe[5], available[3], dary [5], terminate = 0;

pointf C" Enter the number of process and Cheswar

4 conf Cu. 1. gr. 1. gr. r. b. 80).

fainty C" Enter allocation of resource of all frauer 1. d x 1. d matrix"

forci=0; info; itt) &

farcy-0= 100; 1++)s

Konf C"1. &", & ale [i][i]

fruit. C'Edm the mornium suppose from totald moderal, frig); godies, ich, ints किर्टा=0, र्राटा भभी ह (CELETICOM O, "16-1-") HOOM fairth C, orten for overlight monoway (#WCi=0; inc, int) ([indicate of the Dynamics frintf C"In much surance matrix are fi forci=0; who into 5 forci=0, 120, 140 & may EUITO = most EUIT olctilia frints C'idit", madratis); frint ( ( W)) forci=0; info, info dan [i] = 0) To refuse Count & for S

forci=0; inf; it)? if Colone[ [] == 0) & BorCj=0; juc, j+D& if Creed EUTEJ > (Establations (whowy ibC/==08 rafe[count] =i; done [i] = 1; 601Cj=0; j2C; 1+08 civailabletij += aletiti Count ++; 30 terminate = 0; terminate ++;

outfut :-Exter no. of booner of enounce: 22 Enter allow of nevource of all process: 010 302 211 002 Enter maro surousce required: 322 902 402 Enter available fracus: 332 583 Need resource matrix: 7 43 Sample Output: The SAFE Sequence is P1 -> P3 -> P4 -> P0 -> P2 Available successer after 1057 Acobe requerce one: P1 -> P3 -> P4 -> P0 de adlock avoidance ming bentreve dos &K.