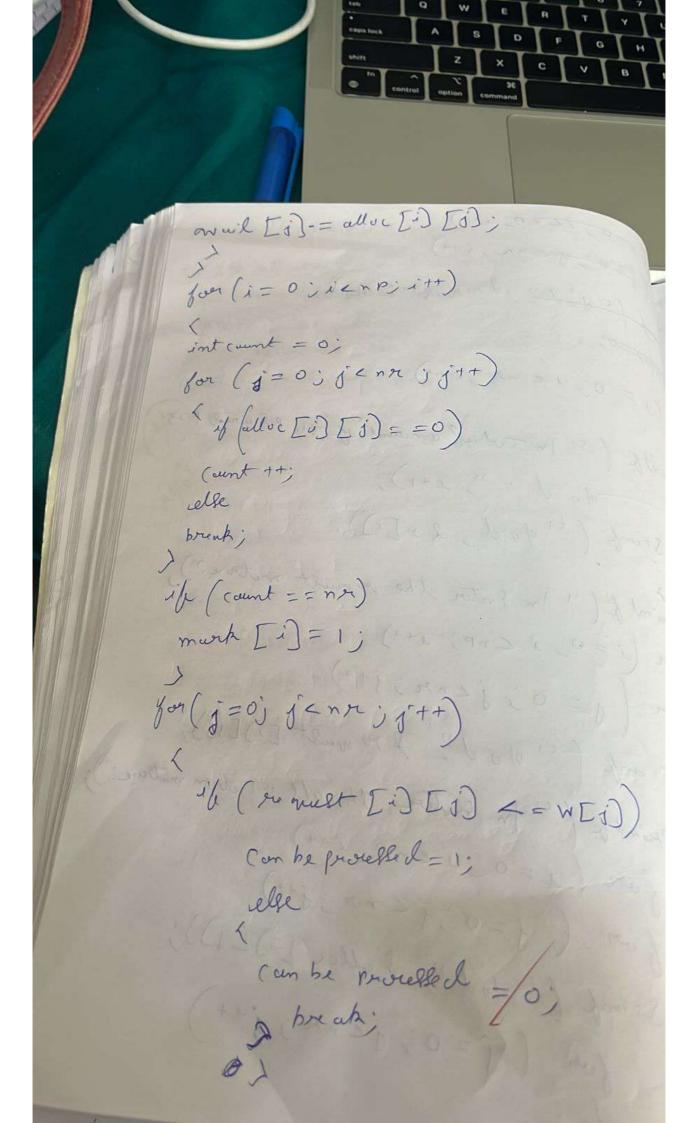
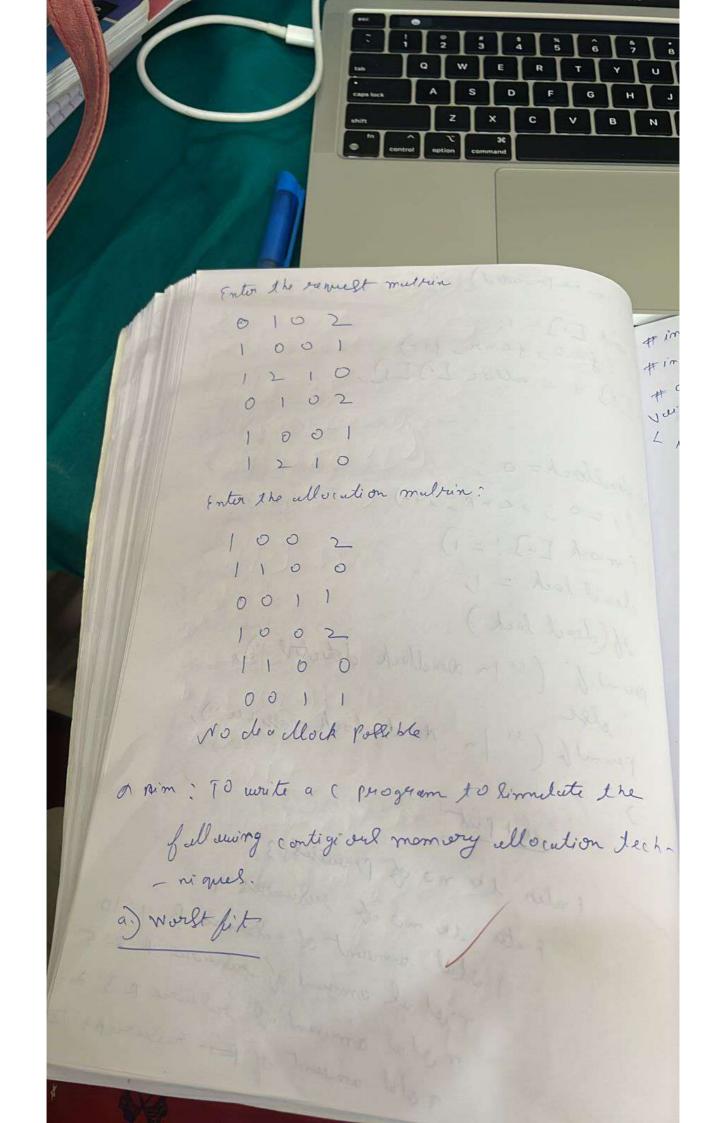
Resource Vector: 9 3 6 All the resources can be allocated to prove prailiable sul awrel are: 623 prouss 2 one cute I : Y pl sh guswous can be Moratel to frag prabable resources are: 834 pasult 3 mutel: > All the resources can be allocated to process, Send lock setection Findude (stdie. h) Static int much [20]; intions inp, noi) int muim () int alloc [10] [10), remust [10] [10] annil [10] & [10] M [10] print ("In Enter the no of process: "); Sconf ("dod" Inp); print b (" In Enter the no of susual:"); Scanf ('dod" & new);

(or (or or dennion) Scort ("dod" dermest EDED) for (i = 0) ie masint point of (" In Total amount of the Resumes Ris of od: " 1+1); Scarf (c' dod & n [i)); print f (" In Enter the remult matrix ?") for (i = 0' i < np; i++) for (j=0) j=nn j++) Scarp (c' olo d' & remust EDEID); print f (" In genter yer all o cution materia."); for (i=0) i 2np ; i++) for (j=0)j(nn)j(1) Scorp ("ofod" I allow [DED); for (j=0; j=nx; j++)



if (can be proceed) much [i] = 1; for (j=0) senn j++) the puret lime w[i] + = alloc [] [j]; int deadlock = 0 for (i=0 ; i< np; i++) if (much [i]!=1) dead lock = 1; if (dead lock) puint & (ci In deadlock detected "); else print (" In No de Jock possible "); dut Put Enter the no of proubles:3 Enter the no of gusownes: 4 Total amount of pulawree R 1:10 Total amount of gustowne A 2:5 Total amount of susaurue R 3:7 Total amount of peso resource 4:12



```
>_Terminal
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                                                                                                              Enter the no of processes: 3
                                                                                                              Enter the no of resources: 4
Total Amount of Resource R 1: 10
       static int mark[20];
       int i, j, np, nr;
                                                                                                              Total Amount of Resource R 2: 5
                                                                                                              Total Amount of Resource R 3: 7
    5 int main()
                                                                                                              Total Amount of Resource R 4: 12
                                                                                                              Enter the request matrix:
            int alloc[10][10], request[10][10], avail[10], r[10], w[10];
                                                                                                              0 1 0 2
            printf("Enter the no of processes: ");
            scanf("%d", &np);
                                                                                                              Enter the allocation matrix:
                printf("Total Amount of Resource R %d: ", i + 1);
                                                                                                              1002
                 scanf("%d", &r[i]);
                                                                                                              1100
                                                                                                              0 0 1 1
            printf("Enter the request matrix:\n");
            for (i = 0; i < np; i++)
    for (j = 0; j < nr; j++)
        scanf("%d", &request[i][j]);</pre>
                                                                                                              0011
                                                                                                              No Deadlock possible
            printf("Enter the allocation matrix:\n");
                for (j = 0; j < nr; j++)
    scanf("%d", &alloc[i][j]);</pre>
```

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