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9  #include<stdio.h>
10 int main()
11 {
12     int no_of_frames, no_of_pages, frames[10], pages[30], temp[10], flag1, flag2, flag3, i, j, k,
13     pos, max, faults = 0;
14     printf("Enter number of frames: ");scanf("%d", &no_of_frames);
15     printf("Enter number of pages: ");
16     scanf("%d", &no_of_pages);
17     printf("Enter page reference string: ");
18     for(i = 0; i < no_of_pages; ++i){
19         scanf("%d", &pages[i]);
20     }
21     for(i = 0; i < no_of_frames; ++i){
22         frames[i] = -1;
23     }
24     for(i = 0; i < no_of_pages; ++i){
25         flag1 = flag2 = 0;
26         for(j = 0; j < no_of_frames; ++j){
27             if(frames[j] == pages[i]){
28                 flag1 = flag2 = 1;
29                 break;
30             }
31         }
32         if(flag1 == 0){
33             for(j = 0; j < no_of_frames; ++j){
34                 if(frames[j] == -1){

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35 faults++;
36 frames[j] = pages[i];
37 flag2 = 1; break;
38 }
39 }
40 }
41 if(flag2 == 0){
42 flag3 = 0;
43 for(j = 0; j < no_of_frames; ++j){
44 temp[j] = -1;
45 for(k = i + 1; k < no_of_pages; ++k){
46 if(frames[j] == pages[k]){
47 temp[j] = k;
48 break;
49 }
50 }
51 }
52 for(j = 0; j < no_of_frames; ++j){
53 if(temp[j] == -1){
54 pos = j;
55 flag3 = 1;
56 break;
57 }
58 }
59 if(flag3 == 0){
60 max = temp[0]; pos = 0;
61 for(i = 1; i < no of frames; ++i){

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53 - if(temp[j] == -1){
54     pos = j;
55     flag3 = 1;
56     break;
57 }
58 }
59 - if(flag3 == 0){
60     max = temp[0]; pos = 0;
61 - for(j = 1; j < no_of_frames; ++j){
62 - if(temp[j] > max){ |
63     max = temp[j];
64     pos = j;
65 }
66 }
67 }
68 frames[pos] = pages[i];
69 faults++;
70 }
71 printf("\n");
72 - for(j = 0; j < no_of_frames; ++j){
73     printf("%d\t", frames[j]);
74 }
75 }
76 printf("\n\nTotal Page Faults = %d", faults);
77 return 0;
78 }
79

```



main.c

```
68 frames[pages] = {-1};
69 faults++;
70 }
71 printf("\n");
72 for(j = 0; j < no_of_frames; ++j){
73     printf("%d\t", frames[j]);
74 }
75 }
76 printf("\n\nTotal Page Faults = %d", faults);
77 return 0;
78 }
79
```

input

Enter number of frames: 3
Enter number of pages: 2
Enter page reference string: 2

2

2	-1	-1
2	-1	-1

Total Page Faults = 1

...Program finished with exit code 0

Press ENTER to exit console.

