

OnlineGDB beta
online compiler and debugger for c/c++

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```
main.c
Run Debug Stop Share Saved {} Beautify
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){
35 faults++;
36 frames[j] = pages[i];
37 flag2 = 1; break;
38 }
39 }
40 }
41 if(flag2 == 0){
```

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main.c

```
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(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 }
```

input

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main.c

```
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;

```

input

```
Enter number of frames: 3
Enter number of pages: 4
Enter page reference string: 2 4 6 8

2      -1      -1
2       4      -1
2       4       6
8       4       6

Total Page Faults = 4

...Program finished with exit code 0
Press ENTER to exit console.

```

Language C 