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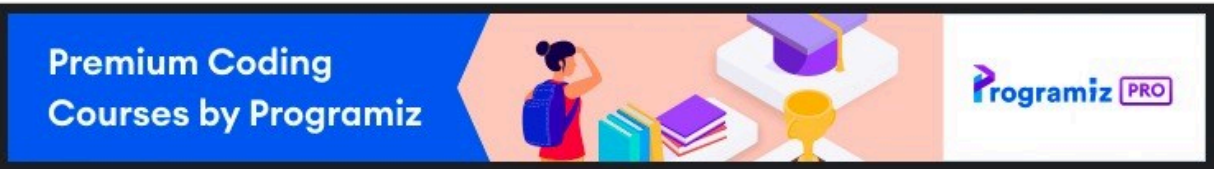
Programiz
C Online Compiler



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main.c

Share Run

```c
#include <stdio.h>

#define FRAME_SIZE 3
#define PAGE_SIZE 10

int main() {
    int pages[PAGE_SIZE] = {0, 1, 2, 3, 0, 4, 5, 2, 1, 0};
    int frames[FRAME_SIZE] = {-1, -1, -1};
    int pageFaults = 0, i, j, k, flag;

    for (i = 0; i < PAGE_SIZE; i++) {
        flag = 0;
        for (j = 0; j < FRAME_SIZE; j++) {
            if (frames[j] == pages[i]) {
                flag = 1;
                break;
            }
        }
        if (flag == 0) {
            frames[pageFaults % FRAME_SIZE] = pages[i];
            pageFaults++;
        }
```

Output Clear

```
Page: 0 | Frames: 0
Page: 1 | Frames: 0 1
Page: 2 | Frames: 0 1 2
Page: 3 | Frames: 3 1 2
Page: 0 | Frames: 3 0 2
Page: 4 | Frames: 3 0 4
Page: 5 | Frames: 5 0 4
Page: 2 | Frames: 5 2 4
Page: 1 | Frames: 5 2 1
Page: 0 | Frames: 0 2 1
Total Page Faults: 10


=== Code Execution Successful ===
```

Finance headline
ECB expects mor...

Search

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main.c

Share Run

```c
#include <stdio.h>
#include <stdlib.h>

#define FRAME_SIZE 3
#define PAGE_SIZE 10

int pages[PAGE_SIZE] = {0, 1, 2, 3, 4, 2, 1, 0, 1, 2};
int frames[FRAME_SIZE];
int last_used[FRAME_SIZE];

void initializeFrames() {
    for (int i = 0; i < FRAME_SIZE; i++) {
        frames[i] = -1;
        last_used[i] = -1;
    }
}

int findPage(int page) {
    for (int i = 0; i < FRAME_SIZE; i++) {
        if (frames[i] == page) {
            return i;
        }
```

Output

Clear

```
Frames: 0 -1 -1
Frames: 0 1 -1
Frames: 0 1 2
Frames: 3 1 2
Frames: 3 4 2
Frames: 3 4 2
Frames: 1 4 2
Frames: 1 0 2
Frames: 1 0 2
Frames: 1 0 2
Total Page Faults: 7


=== Code Execution Successful ===
```