#include <stdio.h>

#include <string.h>

#define Frame\_Size 3

int main() {

int frame[Frame\_Size] = {0};

char\* page\_string = "8 2 3 4 2 5 2 6";

char\* token = strtok(page\_string, " ");

while (token != NULL) {

int page = atoi(token);

int page\_found = 0;

for (int i = 0; i < Frame\_Size; i++) {

if (frame[i] == page) {

page\_found = 1;

for (int j = i; j > 0; j--) {

frame[j] = frame[j-1];

}

frame[0] = page;

break;

}

}

if (!page\_found) {

for (int i = Frame\_Size-1; i > 0; i--) {

frame[i] = frame[i-1];

}

frame[0] = page;

}

printf("Page %d: ", page);

for (int i = 0; i < Frame\_Size; i++) {

if (frame[i] != 0) {

printf("%d ", frame[i]);

}

}

printf("\n");

token = strtok(NULL, " ");

}

return 0;

}