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# PROGRAM TO IMPLEMENT PAGE REPLACEMENT ALGORITHMS - FIFO

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**CODE:**

#include<stdio.h>

#include<stdlib.h>

int main() {

int i = 0, j = 0, k = 0, i1 = 0, m, n, rs[30], flag = 1, p[30];

system("clear");

printf("FIFO PAGE REPLACEMENT ALGORITHM\n\n");

printf("Enter the no. of frames:");

scanf("%d", & n);

printf("Enter the reference string:");

while (1) {

scanf("%d", & rs[i]);

if (rs[i] == 0){break;}

i++;

}

m = i;

for (j = 0; j < n; j++){p[j] = 0;}

for (i = 0; i < m; i++) {

flag = 1;

for (j = 0; j < n; j++)

if (p[j] == rs[i]) {

printf("data already in page....\n");

flag = 0;

break;

}

if (flag == 1) {

p[i1] = rs[i];

i1++;

k++;

if (i1 == n){i1 = 0;}

for (j = 0; j < n; j++) {

printf("\n page %d:%d", j + 1, p[j]);

if (p[j] == rs[i])

printf("\*");

}

printf("\n\n");

}

}

printf("total no page faults = %d ",k);

}

**OUTPUT:**

