**OPERATING SYSTEM - CS23431**

**EXP 11(A)**

**FIFO PAGE REPLACEMENT**

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**PROGRAM:**

#include <stdio.h>

int main() {

int n,frame\_size,front=0,count=0,page\_faults=0;

printf("Enter size of reference string: ");

scanf("%d",&n);

int pages[n];

for(int i=0;i<n;i++)

{

printf("Enter [%d]: ",i+1);

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

}

printf("Enter page frame size: ");

scanf("%d",&frame\_size);

int mem[frame\_size];

for (int i = 0; i < n; i++) {

int found = 0;

for (int j = 0; j < count; j++) {

if (mem[j] == pages[i]) {

found = 1;

break;

}

}

printf("%d -> ", pages[i]);

int f=1;

if (!found) {

if (count < frame\_size) {

mem[count++] = pages[i];

} else {

mem[front] = pages[i];

front = (front + 1) % frame\_size;

}

page\_faults++;

}

else

{

f=0;

printf("No Page Fault ");

}

if(f)

{

for (int j = 0; j < count; j++) {

printf("%d ", mem[j]);

}

}

printf("\n");

}

printf("\nTotal Page Faults: %d\n", page\_faults);

return 0;

}

**OUTPUT:**

