<https://chatgpt.com/share/673a300e-003c-8009-9d98-0f2fbbaeb978>

#include <stdio.h>

int main() {

int n, i;

printf("Enter the number of processes: ");

scanf("%d", &n);

int arrivalTime[n], burstTime[n], waitingTime[n];

float totalWaitingTime = 0, currentTime = 0;

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

printf("Enter Arrival Time and Burst Time for each process : ");

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

}

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

if (currentTime < arrivalTime[i]) {

currentTime = arrivalTime[i];

}

waitingTime[i] = currentTime - arrivalTime[i];

totalWaitingTime += waitingTime[i];

currentTime += burstTime[i];

}

printf("\nAverage Waiting Time: %.2f\n", totalWaitingTime / n);

return 0;

}

#include <stdio.h>

int main() {

int n, frames, pages[100], frame[10];

int pageFaults = 0, index = 0;

printf("Enter the number of frames : ");

scanf("%d", &frames);

printf("Enter the number of Pages : ");

scanf("%d", &n);

printf("Enter the Page Sequence : ");

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

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

}

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

int found=0;

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

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

found = 1;

break;

}

}

if(!found) {

frame[index] = pages[i];

index = (index + 1) % frames;

pageFaults++;

}

}

printf("Totol Page Faults : %d ", pageFaults);

}