## Fifo:

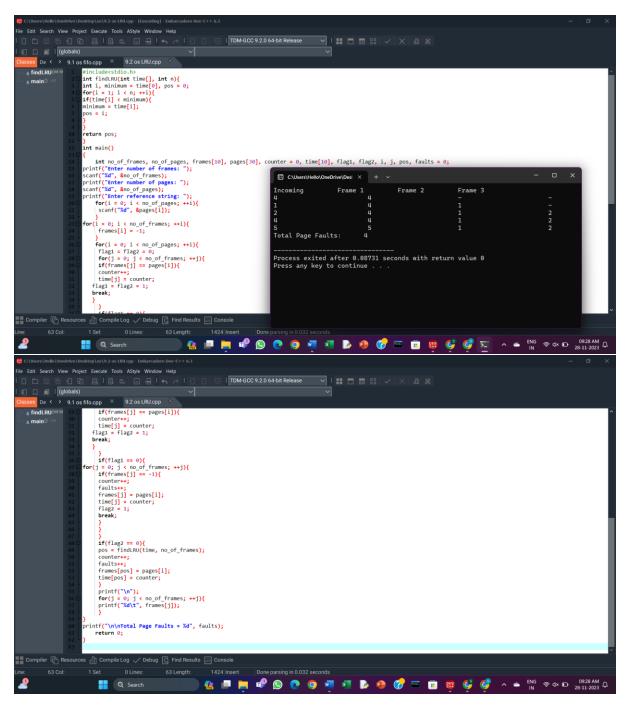
```
€ ☐ ☐ (globals)
                                                 include <stdio.h:
                                                      int incomingStream[] = {4, 1, 2, 4, 5};
int pageFaults = 0;
int frames = 3;
int m, n, s, pages;
pages = sizeof(incomingStream)/sizeof(incomingStream[0]);
printf('Incoming 't Frame 1 't Frame 2 't Frame 3");
int temp[frames];
for(m = 0; m < frames; m++)</pre>
                                                                                                                                                                                                © C:\Users\Hello\OneDrive\Desi × + ∨
                                                                                                                                                                                                                                                                                     Frame 2
                                                                                                                                                                                                Total Page Faults:
                                                       for(m = 0; m < pages; m++)
                                                                                                                                                                                               Process exited after 0.08731 seconds with return value 0 Press any key to continue . . . |
                                                                s = 0;
for(n = 0; n < frames; n++)
                                                                     if(incomingStream[m] == temp[n])
                                                                    s++;
pageFaults--;
}
                                                               if((pageFaults <= frames) && (s == 0))</pre>
                                                                     temp[m] = incomingStream[m];
                                         The Shorten compiler part Clines: 49 Length: 1210 Insert Done parsing in 0.016 seconds

Line: 15 Col: 31 Sel: 0 Lines: 49 Length: 1210 Insert Done parsing in 0.016 seconds

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                                                                                                                                  TDM-GCC 9.2.0 64-bit Release VIII 🗔 🖽 🔐 🗸 💢 🖽 💥
           [] [globals]

5 De ( > 9.1 os fifo.cpp × for m = 0; m < pages; m++)
                                                                s = 0;
for(n = 0; n < frames; n++)
                                                                      if(incomingStream[m] == temp[n])
                                                                      s++;
pageFaults--;
                                                               pageFaults++;
                                                              if((pageFaults <= frames) && (s == 0))</pre>
                                                                    temp[m] = incomingStream[m];
                                                                    temp[(pageFaults - 1) % frames] = incomingStream[m];
                                                                }
printf("\n");
printf("%d\t\t\t",incomingStream[m]);
for(n = 0; n < frames; n++)</pre>
                                                              if(temp[n] != -1)
    printf(" %d\t\t\t\", temp[n]);
                                                                     else
                                                                                printf(" - \t\t\t");
                                                      printf("\nTotal Page Faults:\t%d\n", pageFaults);
return 0;
                                            ces 🚹 Compile Log 🧹 Debug 🔯 Find Results 📰 Console
```

## 2. LRU:



3. optimal page replacement algorithm:

```
1 TDM-GCC 9.2.0 64-bit Release
① 🎵 🎚 (globals)
   sses D < > 9.1 os fifo.cpp × 9.2 os LRU.cpp × 9.3 os optimal page replacement algorithn

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Final unaccentia by
                                 int no_of_frames, no_of_pages, frames[10], pages[30], temp[10], flag1, flag2, flag3, i, j, k, pos, max, faults = 0;
printf("Enter number of frames: ");
scanf("Md', Roo_of_frames:");
printf("Enter number of pages: ");
scanf("Md', Roo_of_pages);
printf("Enter page reference string: ");
for(i = 0; i < no_of_pages; ++){
    scanf("Md', &pages[i]);
}    scanf("Md', &pages[i]);
}</pre>
**CAUMENTAGENOREDINE NUMBERS ** **
Enter number of_frames: 3
                                                                                                                             Enter number of frames: 3
Enter number of pages: 3
Enter page reference string: sai
                                 for(i = 0; i < no_of_frames; ++i){
    frames[i] = -1;</pre>
                                                                                                                                         -1 -1
-1 -1
54127176
                                 for(i = 0; i < no_of_pages; ++i){
    flag1 = flag2 = 0;</pre>
                                      for(j = 0; j < no_of_frames; ++j){
    if(frames[j] == pages[i]){
        flag1 = flag2 = 1;
        break;
    }
}</pre>
                                                                                                                             Process exited after 16.48 seconds with return value 0 Press any key to continue . . . \mid
                                      }
if(flag1 == 0){
    for(j = 0; j < no_of_frames; ++j){
        if(frames[j] == -1){
            frames[j] = pages[i];
            flag2 = 1;
            break;
}</pre>
                                       if(flag2 == 0){
                         rces 们 Compile Log 🧹 Debug 🖸 Find Results 📰 Console
                          2
C:\Users\Hello\OneDrive\Desktop\os\9.3 os optimal page replacement algorithm.cpp - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
                                                                                   (globals)
                                                     faults++;
frames[j] = pages[i];
flag2 = 1;
break;
                                       fif(flag2 == 0){
  flag3 =0;
  for(j = 0; j < no_of_frames; ++j){
    temp[j] = -1;</pre>
                                            for(k = i + 1; k < no_of_pages; ++k){
  if(frames[j] == pages[k]){
  temp[j] = k;
  break;</pre>
                                           }
for(j = 0; j < no_of_frames; ++j){
   if(temp[j] == -1){
    pos = j;
   flag3 = 1;
   break;
}</pre>
                                            if(flag3 ==0){
  max = temp[0];
  pos = 0;
                                             for(j = 1; j < no_of_frames; ++j){
if(temp[j] > max){
  max = temp[j];
  pos = j;
                           es 📶 Compile Log 🧹 Debug 🖸 Find Results 📰 Console
                                 Q Search
```