if (!found) of

```
rames [front] = pages [i];
          | sond = (frond+1)-1. frame(over);
      char msg[20];
      enpointf(msg, size of (msg), "PF No. 1-d", fauts);
point Frames (frames, frame (ound, rosg);
     elser
         printframes (frames, frame (ound, "");
 printl("The number of Page Fauts using PIFO are 1/2/10", faults);
void Irulint pages [], int n, int frames [], int frame (our)
   in + time[frame(our)], faults = 0, counter = 0;
   point ("The Page Replacement Process for LRU is: In"),
for (int 1 = 0; i & frame (ound; i+))d
      frames [i] = -1;
      time (i] =- 1; me por man and I have
  for (ind i= 0; izn; i++) of
     int found = 0, least = counter;
     for (int j=0; j & frame (ound; j-1+) of
        if (frames[j] = = pages (i]) of
            found = 1;
           time[j] = counted++;
           break;
       if (time[j] = least) d
            least = time[]
```

```
(! found)d
         int replace = 0;
         for (in) j=0; jz frame(our); j++) }

i f (time [] == least)?
              replace = j ;
               break
      frames [replace] = pages[i];
    time[seplace] = counter ++;
      faults ++;
      char msq [20];
      enpoint (meg, site of (meg), "PFNO. 1-d", fauts)
     printframes (frames, frame (oun-), msg);
    yelse of
     printframes (frames, framelount, "11
 point ("The number of Page faults using LRV are Idla")
| au 145):
void optimal (int pages[], int n, int frames[]
             ind frame (ound) of
    print of the Page Replacement Process for Optimal is h
    for (ind i=0; ixn; i+1) of
       in + found = 0;
       100 (int)=0; j2 frame (ount; j++)d
          ) [ (frames[]] == pages[i]) d
                lound = 1
```

```
3 break;
         if (nextuse > for thest) d
for thest = nextuse;
replace = j;
    if (replace == -1) d
       replace = 0;
    | vames [replace] = pages[i];
    faults ++;
    char meg [20];
   suppoint (msg, size of (msg), "PFNO. 1.d", faults);
printframes (frames, frame (our), msg);
  printframes (frame, frame (ount, "");
 print ("The number of Page faults using optimal are it.d'n", faults);
int main ()
   int n, frame(ound;
   scan ("-1-d", & frame(ound);
   point ("Enter number of pages:");
scanf (".1.2", &n);
   int pages [n], frames [frame (ount);
```

	DatePage
. + . PF No. 1	6 0 16
70 PF NO. 2	
701 PFNO.3	6 3 3
20 1 PF NO. 4	6 1-0
201	6 8 0
2 3 1 PF NO.5	E F (
2 3 0 PF NO.6	6 6 1
430 PF NO.7	4 0 1
42 0 PF NO. 8	6 0 1
4 2 3 PF NO. 9	9 6 0 1
0 2 3 PF N/0.10	+ 01
0 2 3 1 -1	+ 01
0 2 31 min 16/1003 2008 10	codmin od
0 1 3 PP NO. 11	
0 1 2 PF NO 12	solimal.
o 1 2 mi man hammale	as and as
0 1 2	1
17 1 2 17 10:13	9 0 4
7 0 2 PF NO.14 7 0 1 PF NO.15	1 0 0
The own her of Page Faults using	FIFO are 13
The sound of the s	3 8 0 6
LRU:	2 11 14
The Page Replacement Process for	LRU is.
7 PF NO. 1	8 41 6
70 PF NO. 2	1 8 2 00
701 PF NO.3	4 0 6
201 PF NO.LI	23 1 0 6
2018	1067
203 PF NO. 5	105
203	1 0 5
403 PF NO-6	

SURYA Gold
DatePage
The Man of
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
1 3 2 7 7 7 7 7
 0 3 2 PF NO. 9
0 3 2
 6 3 2
 13 2 10 10 10 10 10 10 10 10 10 10 10 10 10
1 3 2
1 0 2 11 110 11
( 0 2
107 PFNO.12
107
107
The number of page Faults using LRU are 12
11-01-37 6 10
optimal; stomas & 10
optimal; stomas & 10
The Page Replacement Process for Optimal 1s:
optimal.  The Page Replacement Process for Optimal is:  # PF NO. 1  PF NO. 2
optimal.  The Page Replacement Process for Optimal is:  # PF NO. 1  # O PF NO. 2  # O I PF NO. 3
optimal.  The fage Replacement Process for Optimal is:  FR NO. 1  PF NO. 2  TO 1 PF NO. 3  2 0 1 PP NO. 4
optimal.  The Page Replacement Process for Optimal is:  FROO. 1  PFNO. 2  TO 1 PFNO. 3  2 0 1 PPNO. 4
optimal.  The Page Replacement Process for Optimal is:  FROO. 1  PFNO. 2  TO 1 PFNO. 3  2 0 1 PPNO. 4
Optimal.  The fage Replacement Process for Optimal is:  # PF NO. 1  # O PF NO. 2  # O I PF NO. 3  # O I PP NO. 4  # O J
optimal.  The Page Replacement Process for Optimal is:  # PF NO. 1  # O PF NO. 2  # O I PF NO. 3  2 O I PP NO. 4  2 O 3  PF NO. 5  2 O 3
optimal.  The fage Replacement Process for Optimal is:  FROON PENO. 1  TO PENO. 2  TO 1 PENO. 3  2 0 1 PENO. 4  2 0 3 PENO. 5  2 0 3  2 4 3 PENO. 6  2 4 3
optimal.  The Page Replacement Process for Optimal is:  FRO PFNO. 1  TO 1 PFNO. 3  2 0 1 PPNO. 4  2 0 3  2 FNO. 5  2 0 3  2 4 3 PFNO. 6  2 4 3
optimal.  The fage Replacement Process for Optimal is:  If of PF NO. 1  If of PF NO. 3  If of PF NO. 4  If of PF NO. 4  If of PF NO. 4  If of PF NO. 6  If of
Optimal:  The fage Replacement Process for Optimal 1s:  FRO PFNO. 2  DO 1 PFNO. 3  DO 1 PPNO. 4  DO 3  PFNO. 5  DO 3  PFNO. 6  DO 3  PFNO. 6  DO 3  PFNO. 4  DO 3  PFNO. 4  DO 3  PFNO. 4  DO 3  PFNO. 4
Optimal:  The fage Replacement Process for Optimal 1s:  FRO PFNO. 2  1 0 1 PFNO. 3  2 0 1 PPNO. 4  2 0 3 PFNO. 5  2 0 3  2 4 3 PFNO. 6  2 4 3  2 4 3  2 6 3 PFNO. 4  2 0 3
Optimal:  The fage Replacement Process for Optimal 1s:  FRO PFNO. 2  TO 1 PFNO. 3  2 0 1 PPNO. 4  2 0 3 PFNO. 6  2 4 3 PFNO. 6  2 4 3  2 6 3 PFNO. 6  2 4 3  2 6 3 PFNO. 4
Optimal:  The fage Replacement Process for Optimal 1s:  FRO. 1  PFNO. 2  TO 1 PFNO. 3  2 0 1 PPNO. 4  2 0 3  2 4 3 PFNO. 6  2 4 3  2 4 3  2 6 3  PFNO. 4  2 0 3  2 1 9 PFNO. 4
Optimal:  The Page Replacement Process for Optimal is:  From PFNO. 1  OPFNO. 2  DO 1 PFNO. 3  DO 1 PPNO. 4  DO 3  PFNO. 6  DU 3  PFNO. 6  DU 3  PFNO. 4  DO 3  PFNO. 4  DO 3  PFNO. 4  DO 3  DO 3  PFNO. 4  DO 3  DO 3  PFNO. 4

