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MAME: SHIVANI M.V
 CLASS: 6 -'C'
 VSN : ICRIBCS152.
 PROGRAM:09
 AIM: Design, develop and implement a 4 C++/Java program
to implement page replanment algorithms LRV and FIFO.
Assume suitable input aigniled to demonstrate lue results.
CODE:
#include (Stdio.h>
#include (Stalib. h>
#include < string. h7
void fyo (char [], char [], int, int);
void leau (chas (), chas (), int, int);
int main ()
  int ch, choice = 1, i, L, f;
  char frame [10], s(25);
  paints ("In Enter the number of tramer: In");
  scauf ("%d", 8f);
 printf ("In Enter the string: \n");
 scauf ("%s",s);
  L = stalen (s);
 for(1=0; icf; i++)
      frame [i] = -1;
    do
      Phintf ("INI: FIFO In 2: LRU IN 3: Exit In");
      print ("In Enter your choice: \n");
```

```
scanf("Tod", sch);
    switch (ch)
     ź
      care 1
          for(i=0;ixf;i+4)
             fameti] = -1;
           fifo(s, frame, l, f);
           break;
       case 2:
           tok(i=0;i<f;i++)
               fame[i] = -1
           en (s, kam, l, f);
           buak;
        case 3:
          exit(0);
   printf(" In/n/t Do you want to condinue? of you pers 1,
        else puss 0:);
    scant ("Tod", believe);
   while (choice == i);
    setuento);
void fifo (char S[], char frame [], int 1, int f)
   int i, j=0, k, flag=0, went=0;
   punt ("INLE PAGELE FRANCES LE FAULTS");
   for (i=0; i< l; i++)
```

```
for ( 1=0; k< f; k++)

2
if ( fame(k) == S[i])
         flag=1;
if (flag ==0)

& printf ("\n\t \%c\t', s[i]);
    fame[j] = s[i];
    j++;
    for(k=0;k<f;k++)
         peintf (" 700", frame [k];
    plintf(" \trault 700", wunt);
   (ount + + )
else
   flag =0;
   printf("IN/+ % c/+", s[i]);
   for (k=0; k<f; k++)
       printf ("%c", frame [k]);
     printf (" (Etlit ");
   3
if (j== f)
         j=0;
```

```
void len (char sc), char france(), int 1, int f)
 int 1, j = 0, k, m, flag = 0, went = 0, lop = 0;
 PRINT ("INTERAGE LE FRAMES LE FAULTS ).
  (++i; laices) rof
      for (k=0; K < f; k++)
          if (frame[k] == s[i])
             & flag = 1;
            break;
      printf(" \n\t &c\t", s(i));
     if (j 1 = f 33 flag 1 = 1)
      & granu [top] = S[i];
        y (11 = 8)
             top + + ;
  elle
       y (flag! = 1)
         for(k=0; kctop; k++)
             frame [10] = frame [K+1];
         fame [top] = S[i];
      ig (flag = = 1)
```

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for (m = k; m < top; m++)
         frame[m] = frame[m+1];
      fame[top] = s[i];
    3
 z
 for (k=0; k<f; k++)
     print (" 70c", frame[u];
  if (flag == 0)
    printf ("\t Fault Tod" count);
    Count ++;
else
    printf (" \takit ");
  flag = 0;
 z
3.
OUTPUT:
Enter the number of frames:
Euler the string.
7012080 4230321201701
1: FIFO
2: LRU
3 : Exit
Enter your choice:
```

	. 1. 1	
PAGE	FRAM	ES FAULTS
7	7	Fault D
0	70	Fault 1
7	701	Fault 2
2	20 1	Fault 3
0	201	tüt
3	231	Fault 4
0	230	Fault 5
4	430	Fault 6
2	420	Fault 7
3	423	Fault 8
0	023	Fault 9
3	023	Hit
2	023	+ lit
1	013	Fault 10
2	012	Fault 11
O	012	Hil
1	012	suit
7	712	Fault 12
O	412	Fault 13
1	712	sut.
Do you	waut-lo	continue? If yes puss 1,
1: FIFO		
2: LRU		
3: Exit		

else D: 1

Entre your choice:

PAGE	FRAMES	FAULTS.
7	7	Fault 0
0	40	Fault 1
1	701	Fault 2
à	012	Fault 3.

	to the	
0	120	teit
3	203	Fault 4
0	203	Hit.
Ч	304	Fault 5
2 3 0 3 2 1 2	042 423 230 2303 2308032 321	Fault 6 Fault 7 Fault 8 Hit Hit Fault 9
0 1 1	120 201 017 170 701	Fault 10 Hit Fault 11 Fault 11 tit Hit