```
1 #include <bits/stdc++.h>
 2 using namespace std;
 3
 4 int present(int table_frame[], int nf, int page)
 5 {
     for (int i = 0; i < nf; i++)
 6
 7
       if (page == table_frame[i])
 8
         return 1;
 9
     return 0;
10 }
11
12 void printtable(int table_frame[], int nf)
13 {
14
     for (int i = 0; i < nf; i++)
15
16
       if (table_frame[i] == -1)
         printf("-- ");
17
18
       else
         printf("%2d ", table_frame[i]);
19
20
21
     printf("||");
22 }
23
24 int main()
25 {
26
     int n, nf, i, pos = 0;
27
     printf("Enter number of frames\n");
28
29
     cin>>nf;
     int table_frame[nf];
30
     for (i = 0; i < nf; i++)
31
32
33
       table_frame[i] = -1;
34
     }
35
36
     printf("Enter total number of page requests\n");
37
     cin>>n;
38
     int pages[n];
     printf("Enter reference string :\n");
39
40
     for (i = 0; i < n; i++)
41
42
       cin>>pages[i];
43
     }
44
45
     int count1 = 0;
     printf("Position of frame table after each request\n\n");
46
47
     for (i = 0; i < n; i++)
48
       printf("Page table after request from %2d || ", pages[i]);
49
50
       if (!present(table_frame, nf, pages[i]))
51
52
         table_frame[pos] = pages[i];
53
         pos = (pos + 1) % nf;
         printtable(table_frame, nf);
54
         printf("page fault\n");
55
56
         count1++;
57
         continue;
58
       }
59
```

29/04/2022, 10:09 fifopage.cpp

```
printtable(table_frame, nf);
printf("\n");

printf("\nNumber of page faults : %d\n\n", count1);

float average=(float)count1/(float)n;
printf("\nAverage page faults : %.4f\n\n", average);
return 0;

return 0;
```

localhost:4649/?mode=clike 2/2

