

14. Write a C program to illustrate the page replacement method where the page which is not in demand for the longest future time is replaced by the new page and determine the number of page faults for the following test case:

No. of page frames: 3; Page reference sequence 7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0 and 1.

C:\Users\hp\Documents\SINGLE LEVEL DIRECTORY,C.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

TDM-GCC 4.9.2 64-bit Release

Project Classes Debug Untitled1 best fit algorithm.cpp SINGLE LEVEL DIRECTORY,C.cpp

```
2  #include<conio.h>
3  #include<string.h>
4  int main()
5  {
6      int nf=0,i=0,j=0,ch;
7      char mdname[10],fname[10][10],name[10];
8      printf("Enter the directory name:");
9      scanf("%s",mdname);
10     printf("Enter the number of files:");
11     scanf("%d",&nf);
12     do
13     {
14         printf("Enter file name to be created:");
15         scanf("%s",name);
16         for(i=0;i<nf;i++)
17         {
18             if(!strcmp(name,fname[i]))
19                 break;
20         }
21         if(i==nf)
22         {
23             strcpy(fname[j++],name);
24             nf++;
25         }
26         else
27             printf("There is already %s\n",name);
28         printf("Do you want to enter another file(yes - 1 or no - 0):");
29         scanf("%d",&ch);
30     }
31     while(ch==1);
32     printf("Directory name is:%s\n",mdname);
33     printf("Files names are:");
34     for(i=0;i<j;i++)
35         printf("\n%s",fname[i]);
36     getch();
37 }
38
```

Compiler Resources Compile Log Debug Find Results

Line: 1 Col: 1 Sel: 0 Lines: 38 Length: 709 Insert Done parsing in 0.14 seconds

C:\Users\hp> Documents\SINGLE LEVEL DIRECTORY C.exe

Enter the directory name:CSE

Enter the number of files:3

Enter file name to be created:A

Do you want to enter another file(yes - 1 or no - 0):1

Enter file name to be created:B

Do you want to enter another file(yes - 1 or no - 0):1

Enter file name to be created:C

Do you want to enter another file(yes - 1 or no - 0):0

Directory name is:CSE

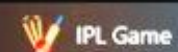
Files names are:

A

B

C

Type here to search



19:32  
09-05-2023

