# Practical – 9: To implement Page Replacement algorithm for First In First Out.

# #include <stdio.h>

# #include <conio.h>

# // BE20F05F062 Akash Shridharan

# void main()

# {

# int n, i, a[50], no, frame[10], k, j, avail, cnt = 0;

# float pr;

# printf("\nEnter number of pages:");

# scanf("%d", &n);

# printf("\nEnter page numbers:");

# for (i = 1; i <= n; i++)

# scanf("%d", &a[i]);

# printf("\nEnter number of frames:");

# scanf("%d", &no);

# for (i = 0; i < no; i++)

# frame[i] = -1;

# j = 0;

# printf(" Referntial String\t\t Page frames\n");

# for (i = 1; i <= n; i++)

# {

# printf("\t%d\t", a[i]);

# avail = 0;

# for (k = 0; k < no; k++)

# if (frame[k] == a[i])

# avail = 1;

# if (avail == 0)

# {

# frame[j] = a[i];

# j = (j + 1) % no;

# cnt++;

# for (k = 0; k < no; k++)

# printf("\t %d\t", frame[k]);

# }

# printf("\n ");

# }

# printf("\nPage fault=%d", cnt);

# pr = (float)cnt / (float)n;

# printf("\nPage Rate=%f", pr);

}

# OUTPUT:

Enter number of pages:6

Enter page numbers:5 8 6 5 6 5

Enter number of frames:3

Referntial String Page frames

5 5 -1 -1

8 5 8 -1

6 5 8 6

5 5 8 6

6 5 8 6

5 5 8 6

Page fault=3

Page Rate=0.500000