```c
#include<stdio.h>
int main()
{ int reference_string[10], page_faults = 0, m, n, s, pages,
 frames; printf("\nEnter Total Number of Pages:\t");
scanf("%d", &pages);
printf("\nEnter values of Reference String:\n");
for(m = 0; m < pages;
m++) {
scanf("%d", &reference_string[m]);
}
printf("\nEnter Total Number of Frames:\t");
{
scanf("%d", &frames);
}
int temp[frames]; for(m
= 0; m < frames; m++)
{
temp[m] = -1;
}
for(m = 0; m < pages; m++)
{
s=0;
for(n = 0; n < frames; n++)
{
if(reference_string[m] ==
temp[n]) { s++; page_faults--;
} }
page_faults+
+;
if((page_faults <= frames) && (s == 0))
{
temp[m] = reference_string[m];
}
else if(s == 0)
{
temp[(page_faults - 1) % frames] = reference_string[m];
}
printf("\n");
for(n = 0; n < frames; n++)
{ printf("%d\t", temp[n]); } }
printf("\nTotal Page
Faults:\t%d\n", page_faults);
return 0;
}
```