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#include <stdio.h>

int main()
{
    int referenceString[10], pageFaults = 0, m, n, s, pages, frames;

    printf("\nEnter the number of Pages:\t");
    scanf("%d", &pages);

    printf("\nEnter reference string values:\n");
    for( m = 0; m < pages; m++)
    {
        scanf("%d", &referenceString[m]);
    }

    printf("\n 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(referenceString[m] == temp[n])
            {
                s++;
                pageFaults--;
            }
        }
        pageFaults++;
        if((pageFaults <= frames) && (s == 0))
        {
            temp[m] = referenceString[m];
        }
    }
}

```

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    }  
else if(s == 0)  
{  
    temp[(pageFaults - 1) % frames] = referenceString[m];  
}  
printf("\n");  
for(n = 0; n < frames; n++)  
{  
    printf("%d\t", temp[n]);  
}  
}  
printf("\nTotal Page Faults: %d", pageFaults);  
printf("\nTotal Page Hits: %d", pages-pageFaults);  
return 0;  
}
```