

PROJECT CODE:

```
#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++)

{

    printf("Value No. [%d]:\t", m + 1);

    scanf("%d", &referenceString[m]);

}

printf("\n What are the 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];
}
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:\t%d\n", pageFaults);
return 0;

```

}