```
}
    printf("\nTotal Page Faults: %d\n", pageFaults);

    return 0;
}
```

```
Enter number of pages: 9
Enter page sequence: 1 3 0 3 5 6 3 0 1

Optimal Page Replacement Process:
Page 1 -> [1] [ ] [ ]
Page 3 -> [1] [3] [ ]
Page 0 -> [1] [3] [0]
Page 5 -> [5] [3] [0]
Page 6 -> [5] [6] [0]
Page 3 -> [5] [6] [3]
Page 0 -> [5] [6] [0]
Page 1 -> [1] [6] [0]


Total Page Faults: 6
```