Exp: 11b)

Aim: To write a c program to implement LRU page replacement algorithm.

Program Code:

```
include <stdio.ho
Int findsRU(ant time[], int n) {
    int i, min = time[0], pos = 0;
    for (i = [i] i < n; +i) {
        counter++;
        faults++;
        temp[i]] = pages[i];
        time[i];
        pos = i;
    }
}

int main() {
    int i, j, n, and i
```

Output:

```
Enter number of pages: 12
Enter page reference string:
1 2 3 4 1 2 5 1 2 3 4 5
Enter number of frames: 3

Page Frames Page Fault
1 1 - - Yes
2 1 2 - Yes
3 1 2 3 Yes
4 4 2 3 Yes
4 4 1 3 Yes
2 4 1 2 Yes
5 5 1 2 Yes
5 5 1 2 Yes
1 5 1 2 No
2 5 1 2 No
3 3 1 2 Yes
4 3 4 2 Yes
5 3 4 5 Yes
7 Total Page Faults = 10
```