

Page Replacement – FIFO-11

```
import java.util.*;  
  
public class FIFO_PageReplacement {  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
  
        System.out.print("Enter number of frames: ");  
        int frames = sc.nextInt();  
  
        System.out.print("Enter number of pages: ");  
        int n = sc.nextInt();  
  
        int[] pages = new int[n];  
        System.out.println("Enter page reference string:");  
        for (int i = 0; i < n; i++) pages[i] = sc.nextInt();  
  
        int[] frame = new int[frames];  
        Arrays.fill(frame, -1);  
  
        int pointer = 0, pageFaults = 0;  
  
        for (int page : pages) {  
            boolean found = false;  
  
            for (int f : frame)  
                if (f == page) { found = true; break; }  
  
            if (!found) {  
                frame[pointer] = page;  
                pointer = (pointer + 1) % frames;  
                pageFaults++;  
            }  
        }  
    }  
}
```

```
    pageFaults++;

}

System.out.print("Frames: ");
for (int f : frame) System.out.print((f == -1 ? "-" : f) + " ");
System.out.println();
}

System.out.println("\nTotal Page Faults = " + pageFaults);
}
```