```java
import java.util.*;


public class FIFO {

        static Scanner scanner = new Scanner(System.in);


        public void FIFOImplementation(int pages[], int capacity) {

                int pageFaults = 0;

                HashMap<Integer, Integer> map = new HashMap();

                HashSet<Integer> currentSet = new HashSet();


                for(int i = 0 ; i < pages.length; i++) {


                        if(currentSet.size() < capacity) {

                                if(!currentSet.contains(pages[i])) {

                                        currentSet.add(pages[i]);

                                        pageFaults++;

                                }

                                map.put(pages[i],i);

                        }

                        else {

                                if(!currentSet.contains(pages[i])) {


                                        Iterator<Integer> it = currentSet.iterator();

                                        int fifo = Integer.MAX_VALUE;

                                        int val = 0;

                                        while(it.hasNext()) {

                                                int temp = it.next();

                                                if(map.get(temp) < fifo) {

                                                        fifo = map.get(temp);
```

```java
                                                val = temp;
                                        }
                                }
                                currentSet.remove(val);
                                map.remove(val);
                                map.put(pages[i],i);
                                currentSet.add(pages[i]);
                                pageFaults++;
                        }
                }
        }
        System.out.println("Page Faults: "+pageFaults);
        int pageHits = pages.length - pageFaults;
        System.out.println("Page Hits: "+pageHits);
        System.out.println("Hit Ratio: "+pageHits + "/" + pages.length + " = " +
(double)pageHits/pages.length);
    }


    public static void main(String[] args) {
        int capacity, n, pages[];
        // int pages[] = {7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0,1};
        FIFO fifo = new FIFO();


        System.out.print("Enter capacity of page frame: ");
        capacity = scanner.nextInt();


        System.out.print("Enter number of page sequence: ");
        n = scanner.nextInt();
```

```java
        pages = new int[n];


        System.out.print("Enter values (space separated): ");
        for(int i = 0 ; i < n ; i++) {

                pages[i] = scanner.nextInt();

        }


        fifo.FIFOImplementation(pages, capacity);


    }
}
```