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PageReplacement.java
import java.io.*;
class PageReplacement
    public static void main(String args[])throws IOException
        BufferedReader obj=new BufferedReader(new
InputStreamReader(System.in));
        int f,page=0,ch,pgf=0,n,chn=0;
        boolean flag;
        int pages[];
                             //pqf-page fault
        do{
            System.out.println("Menu");
            System.out.println("1.FIFO");
            System.out.println("2.LRU");
            System.out.println("3.EXIT");
            System.out.println("ENTER YOUR CHOICE: ");
            ch=Integer.parseInt(obj.readLine());
            switch(ch)
                 case 1:
                     int pt=0;
                     System.out.println("enter no. of frames: ");
                     f=Integer.parseInt(obj.readLine());
                     int frame[]=new int[f];
                     for(int i=0;i<f;i++)</pre>
                         frame[i]=-1;
                     System.out.println("enter the no of pages ");
                     n=Integer.parseInt(obj.readLine());
                     pages=new int[n];
                     System.out.println("enter the page no ");
                     for(int j=0;j<n;j++)</pre>
                         pages[j]=Integer.parseInt(obj.readLine());
                     do{
                         int pq=0;
                         for (pg=0;pg<n;pg++)</pre>
                             page=pages[pg];
                             flag=true;
                             for(int j=0;j<f;j++)</pre>
                                  if(page==frame[j])
                                      flag=false;
                                     break;
                             if(flag)
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{
                 frame[pt]=page;
                 pt++;
                 if(pt==f)
                     pt=0;
                 System.out.print("frame :");
                 for (int j=0; j < f; j++)
                     System.out.print(frame[j]+"
                 System.out.println();
                 pgf++;
            }
            else
                 System.out.print("frame :");
                 for(int j=0;j<f;j++)</pre>
                     System.out.print(frame[j]+" ");
                 System.out.println();
            }
            chn++;
    }while(chn!=n);
    System.out.println("Page fault:"+pgf);
    break;
case 2:
    int k=0;
    System.out.println("enter no. of frames: ");
    f=Integer.parseInt(obj.readLine());
    int frame1[]=new int[f];
    int a[]=new int[f];
    int b[]=new int[f];
    for(int i=0;i<f;i++)
        frame1[i]=-1;
        a[i] = -1;
        b[i] = -1;
    System.out.println("enter the no of pages ");
    n=Integer.parseInt(obj.readLine());
    pages=new int[n];
    System.out.println("enter the page no ");
    for(int j=0;j<n;j++)</pre>
        pages[j]=Integer.parseInt(obj.readLine());
    do{
        int pg=0;
        for (pg=0;pg<n;pg++)</pre>
            page=pages[pg];
            flag=true;
            for (int j=0; j < f; j++)
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{flag=false; break;}
                               }
                               for(int j=0;j<f && flag;j++)</pre>
                                   if(frame1[j] == a[f-1])
                                   { k=j;
                                       break; }
                               }
                               if(flag)
                                   frame1[k]=page;
                                   System.out.println("frame :");
                                   for(int j=0;j<f;j++)</pre>
                                        System.out.print(frame1[j]+" ");
                                   pgf++;
                                   System.out.println();
                               }
                               else
                               {
                                   System.out.println("frame :");
                                   for(int j=0;j<f;j++)</pre>
                                        System.out.print(frame1[j]+" ");
                                   System.out.println();
                               }
                               int p=1;
                               b[0]=page;
                               for(int j=0;j<a.length;j++)</pre>
                                   if(page!=a[j] && p<f)</pre>
                                       b[p]=a[j];
                                       p++;
                               for (int j=0; j < f; j++)
                                   a[j]=b[j];
                               chn++;
                      }while(chn!=n);
                      System.out.println("Page fault:"+pgf);
                 case 3:
                      break;
           while (ch!=3);
   }
}
```

if(page==frame1[j])