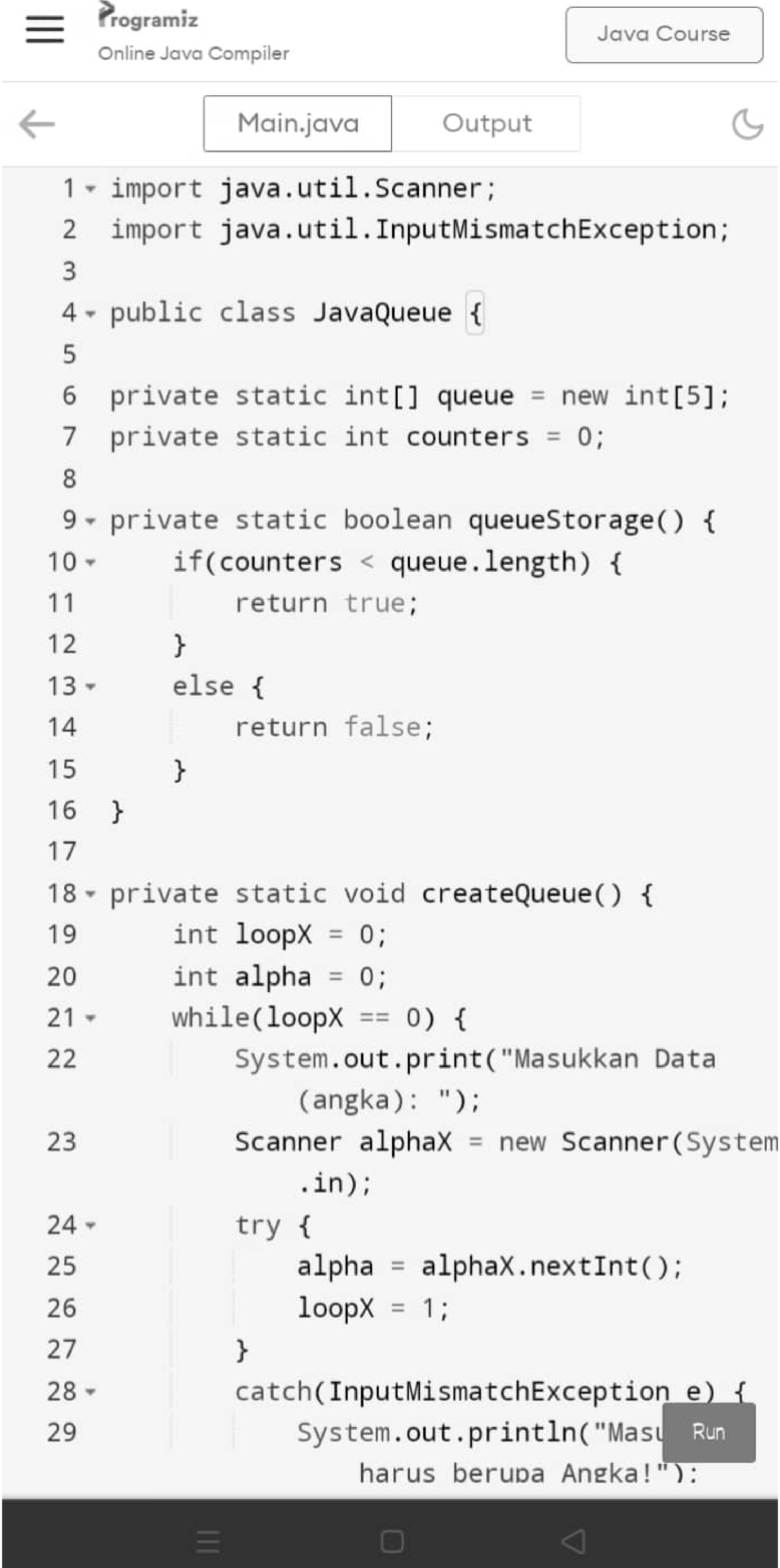
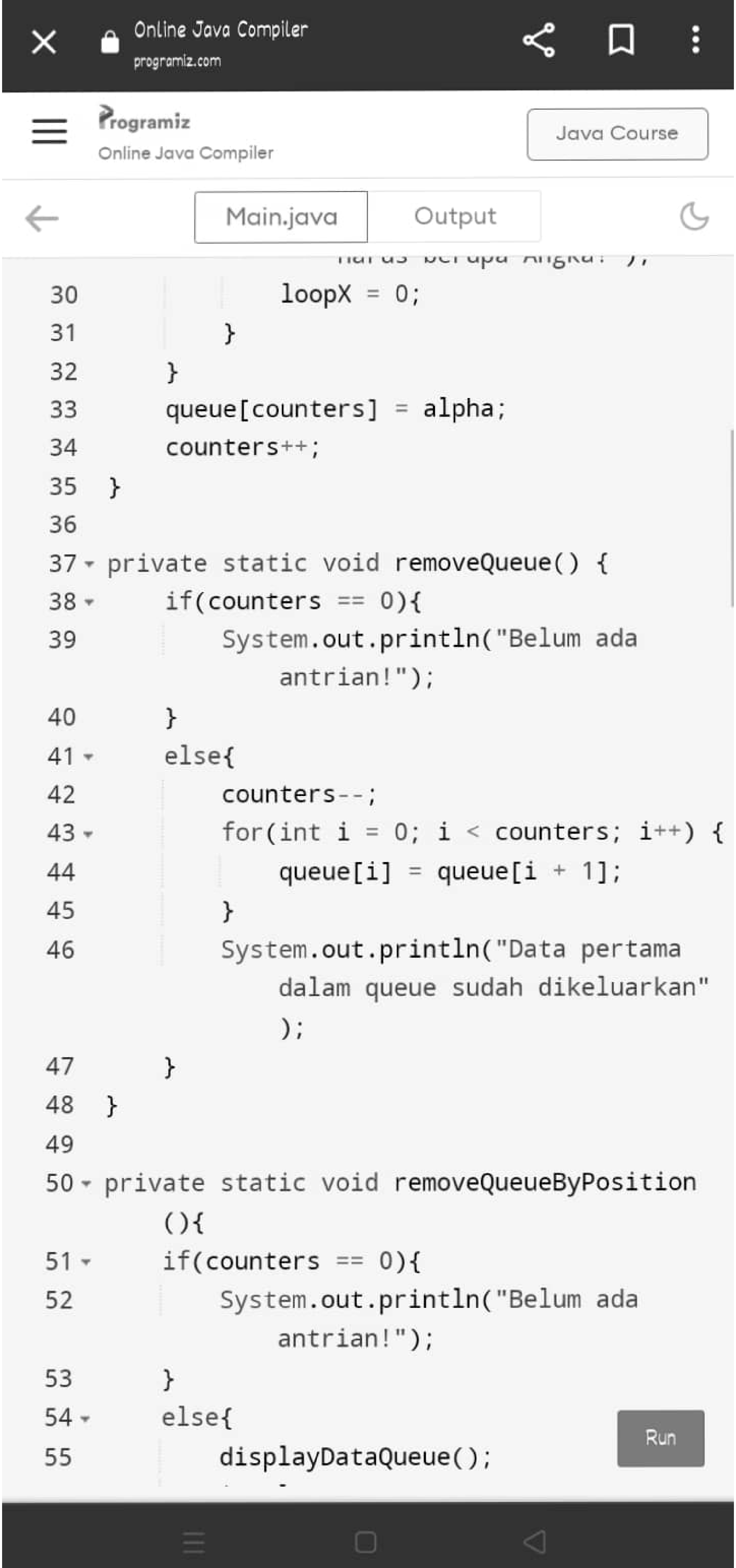
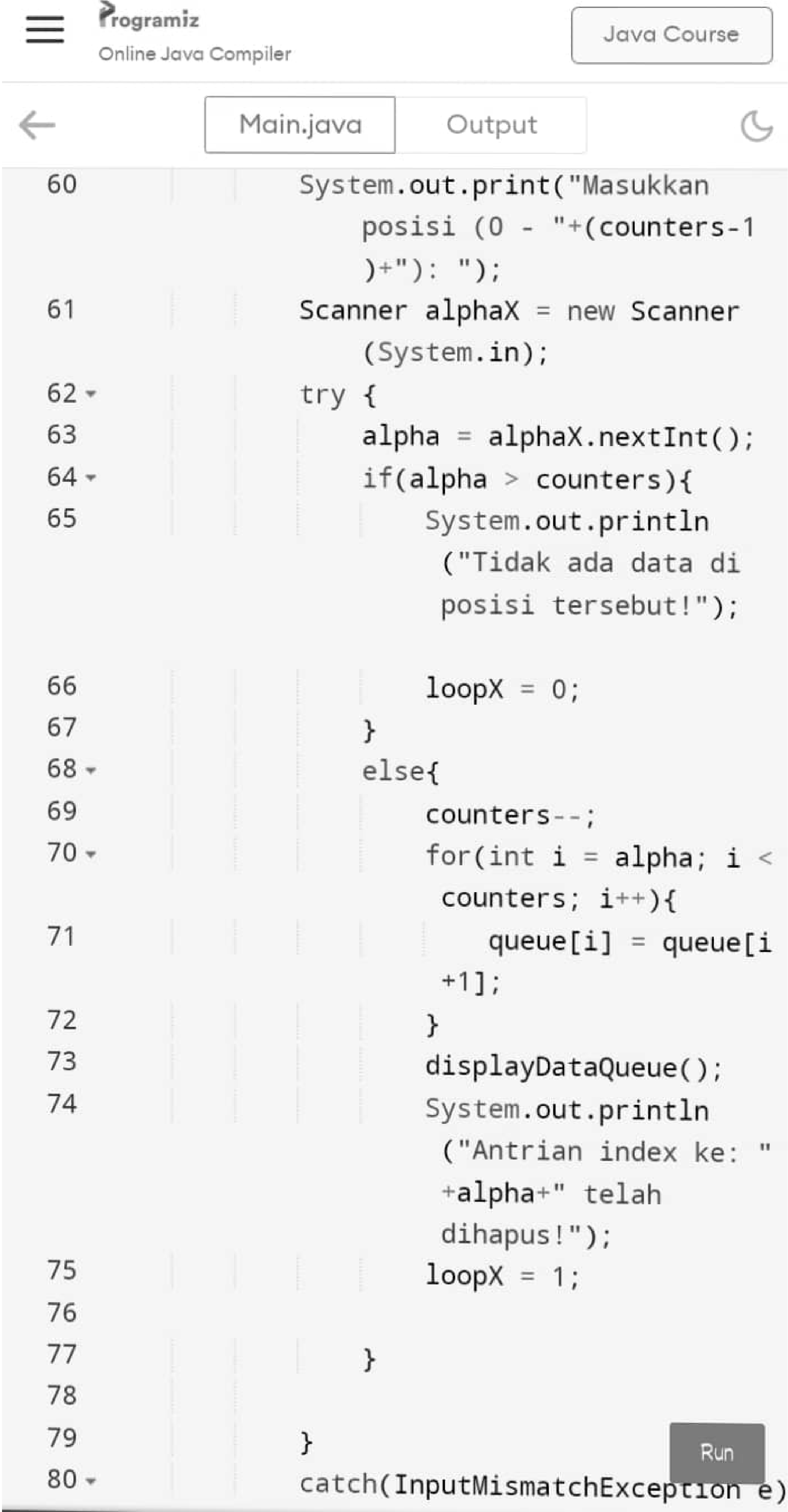


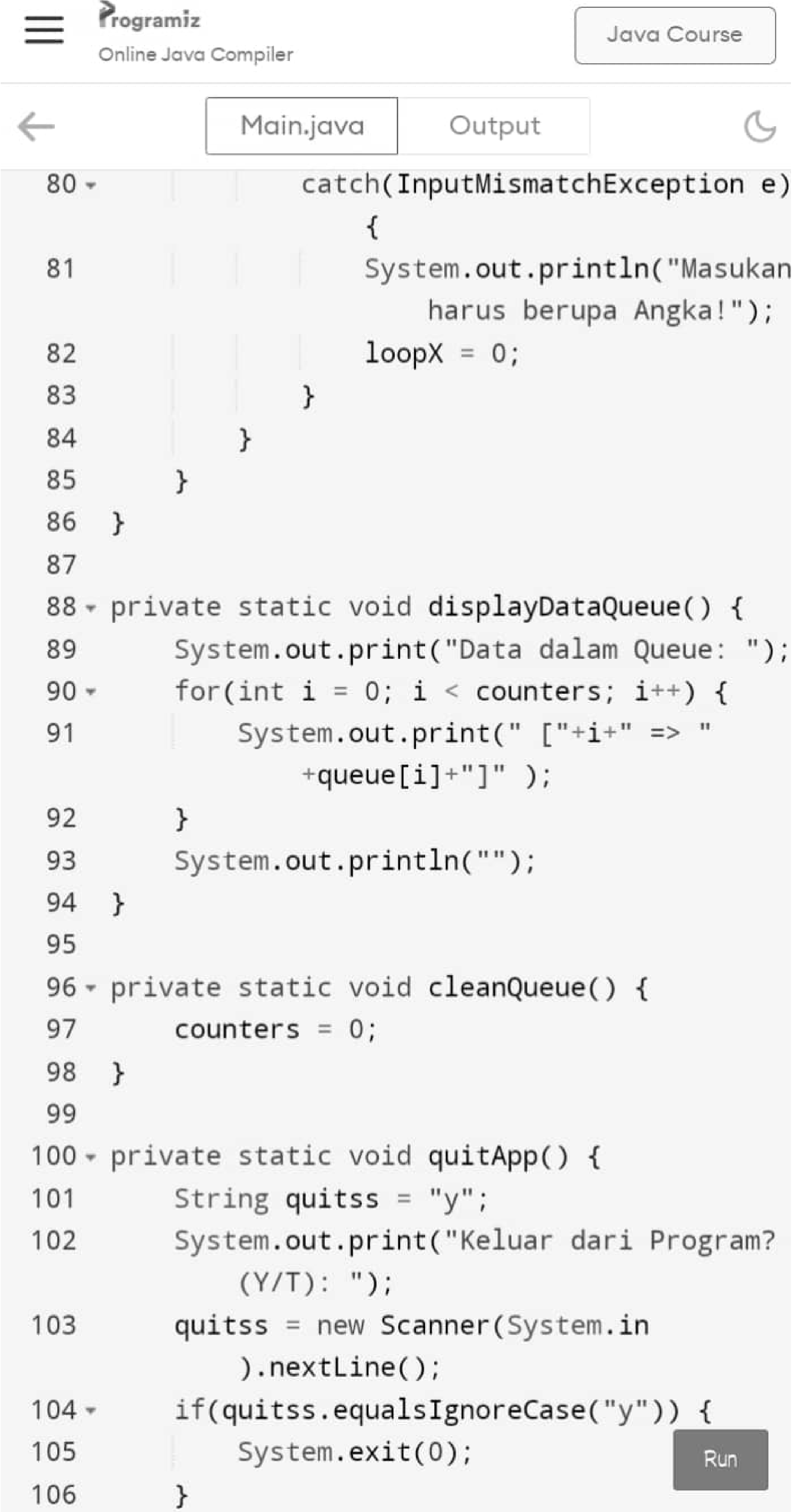
```java
import java.util.Scanner;
import java.util.InputMismatchException;

public class JavaQueue {

private static int[] queue = new int[5];
private static int counters = 0;

private static boolean queueStorage() {
    if(counters < queue.length) {
        return true;
    }
    else {
        return false;
    }
}

private static void createQueue() {
    int loopX = 0;
    int alpha = 0;
    while(loopX == 0) {
        System.out.print("Masukkan Data (angka): ");
        Scanner alphaX = new Scanner(System.in);
        try {
            alpha = alphaX.nextInt();
            loopX = 1;
        }
        catch(InputMismatchException e) {
            System.out.println("Masu
                harus berupa Angka!");
```



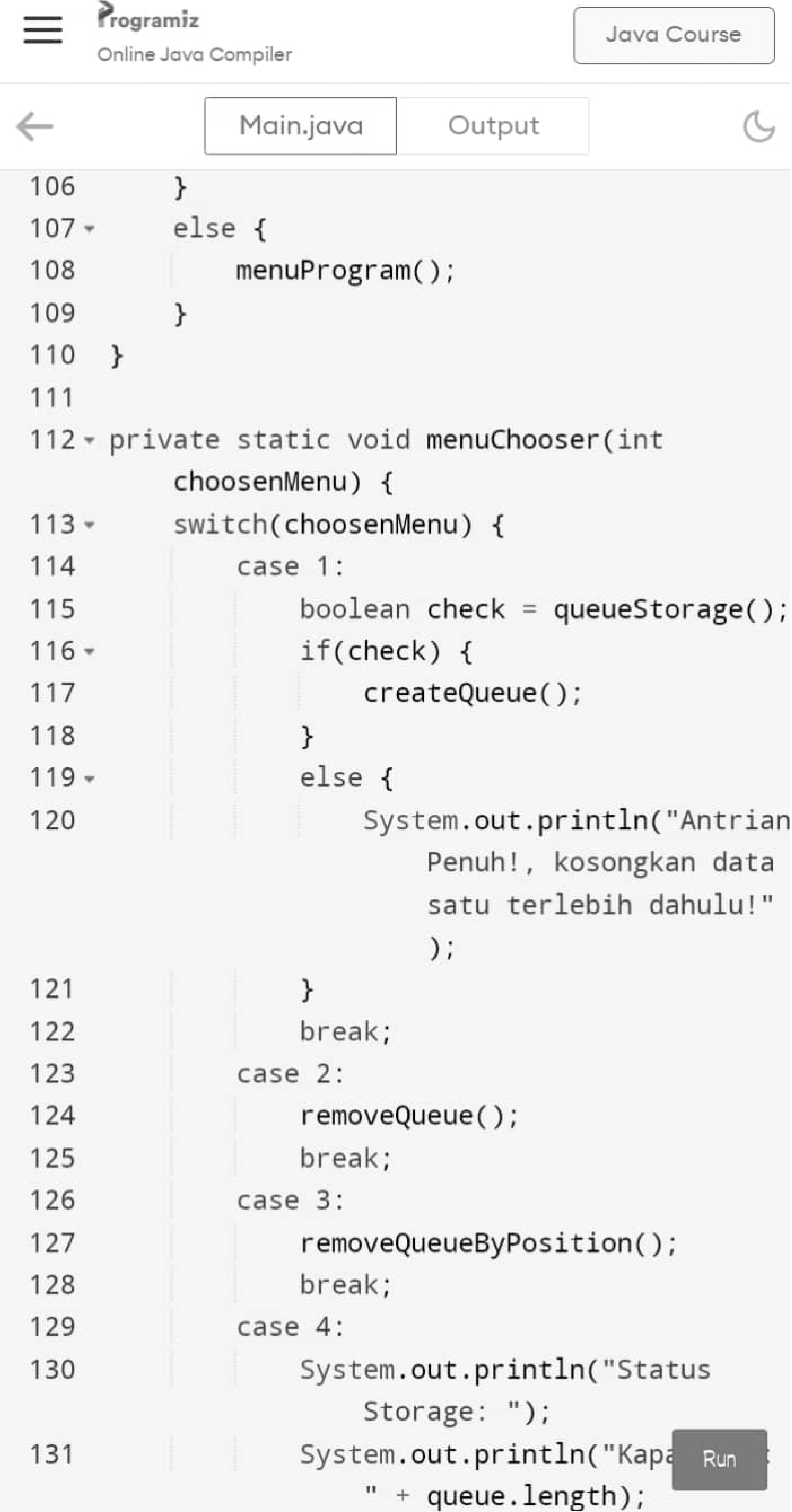
```
            harus berupa Angka!");
            loopX = 0;
        }
    }
    queue[counters] = alpha;
    counters++;
}

private static void removeQueue() {
    if(counters == 0){
        System.out.println("Belum ada antrian!");
    }
    else{
        counters--;
        for(int i = 0; i < counters; i++) {
            queue[i] = queue[i + 1];
        }
        System.out.println("Data pertama dalam queue sudah dikeluarkan");
    }
}

private static void removeQueueByPosition(){
    if(counters == 0){
        System.out.println("Belum ada antrian!");
    }
    else{
        displayDataQueue();
```



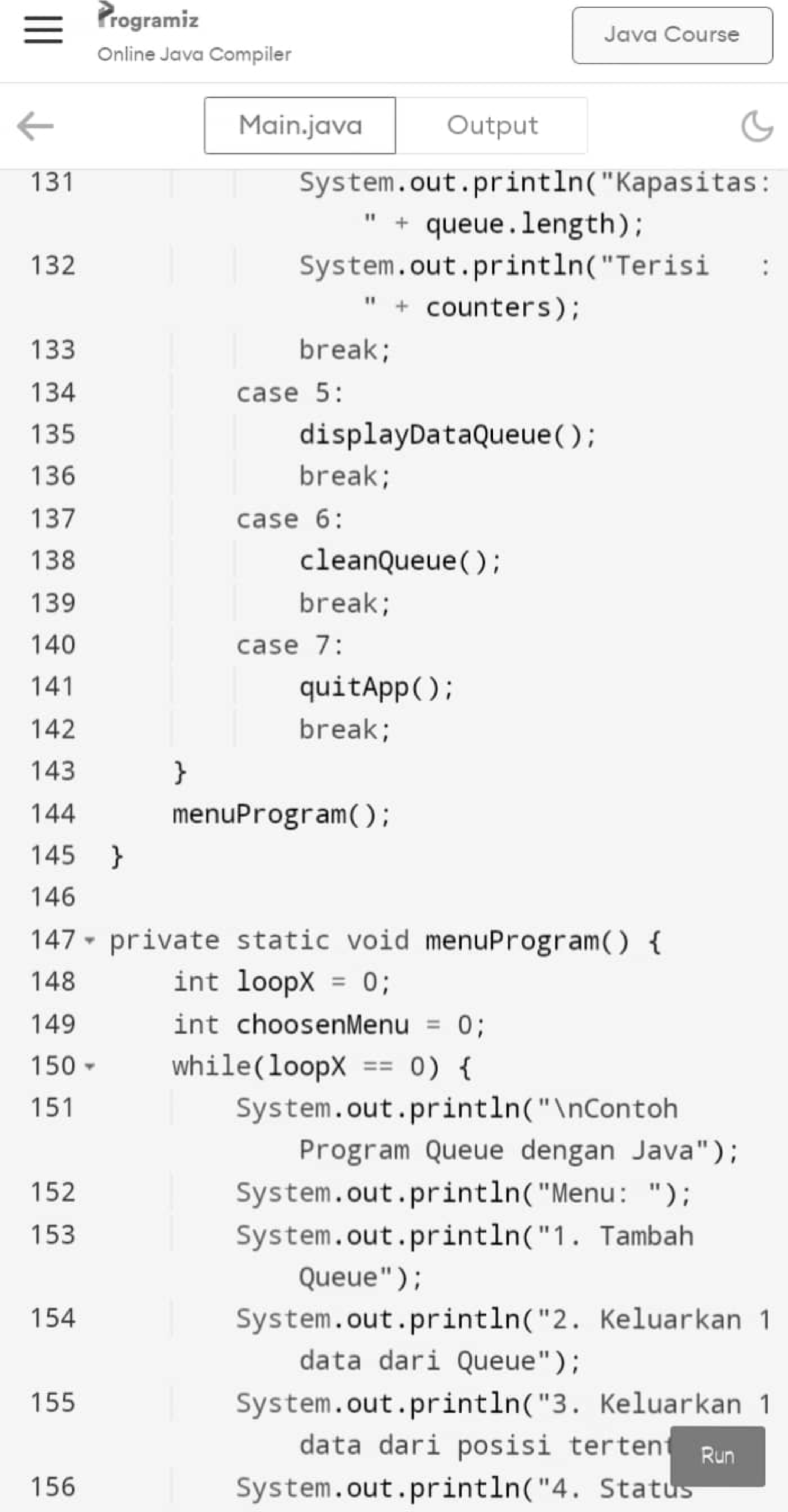
```java
            System.out.print("Masukkan posisi (0 - "+(counters-1)+"): ");
            Scanner alphaX = new Scanner(System.in);
            try {
                alpha = alphaX.nextInt();
                if(alpha > counters){
                    System.out.println("Tidak ada data di posisi tersebut!");

                    loopX = 0;
                }
                else{
                    counters--;
                    for(int i = alpha; i < counters; i++){
                        queue[i] = queue[i+1];
                    }
                    displayDataQueue();
                    System.out.println("Antrian index ke: "+alpha+" telah dihapus!");
                    loopX = 1;

                }

            }
            catch(InputMismatchException e)
```



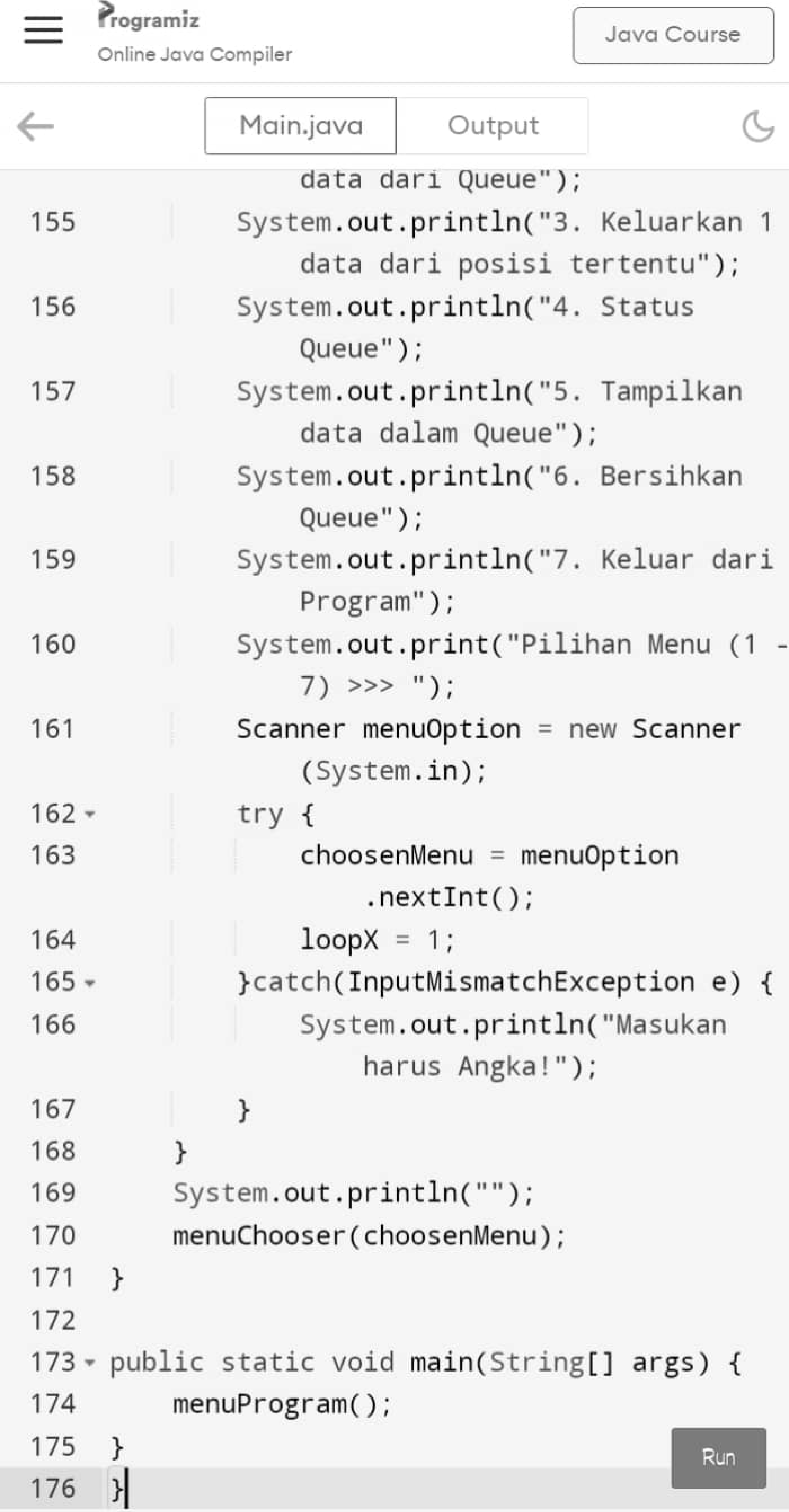
```java
            catch(InputMismatchException e) {
                System.out.println("Masukan harus berupa Angka!");
                loopX = 0;
            }
        }
    }
}

private static void displayDataQueue() {
    System.out.print("Data dalam Queue: ");
    for(int i = 0; i < counters; i++) {
        System.out.print(" ["+i+" => " +queue[i]+"]" );
    }
    System.out.println("");
}

private static void cleanQueue() {
    counters = 0;
}

private static void quitApp() {
    String quitss = "y";
    System.out.print("Keluar dari Program? (Y/T): ");
    quitss = new Scanner(System.in).nextLine();
    if(quitss.equalsIgnoreCase("y")) {
        System.exit(0);
    }
```



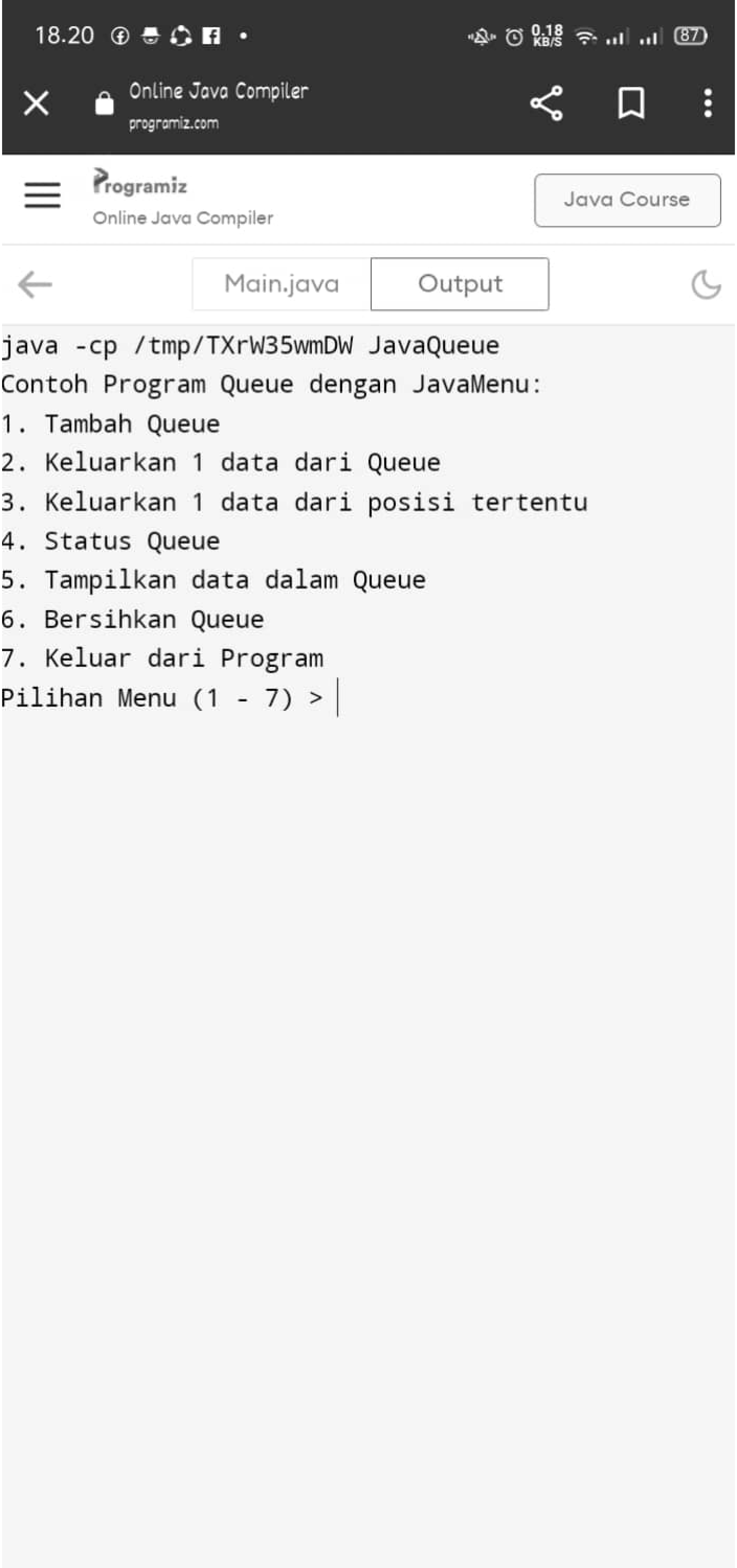
```
    }
    else {
        menuProgram();
    }
}

private static void menuChooser(int choosenMenu) {
    switch(choosenMenu) {
        case 1:
            boolean check = queueStorage();
            if(check) {
                createQueue();
            }
            else {
                System.out.println("Antrian Penuh!, kosongkan data satu terlebih dahulu!");
            }
            break;
        case 2:
            removeQueue();
            break;
        case 3:
            removeQueueByPosition();
            break;
        case 4:
            System.out.println("Status Storage: ");
            System.out.println("Kapa[illegible]: " + queue.length);
```



```
            System.out.println("Kapasitas: " + queue.length);
            System.out.println("Terisi    : " + counters);
            break;
        case 5:
            displayDataQueue();
            break;
        case 6:
            cleanQueue();
            break;
        case 7:
            quitApp();
            break;
    }
    menuProgram();
}

private static void menuProgram() {
    int loopX = 0;
    int choosenMenu = 0;
    while(loopX == 0) {
        System.out.println("\nContoh Program Queue dengan Java");
        System.out.println("Menu: ");
        System.out.println("1. Tambah Queue");
        System.out.println("2. Keluarkan 1 data dari Queue");
        System.out.println("3. Keluarkan 1 data dari posisi tertent
        System.out.println("4. Status
```



```
                data dari Queue");
            System.out.println("3. Keluarkan 1 data dari posisi tertentu");
            System.out.println("4. Status Queue");
            System.out.println("5. Tampilkan data dalam Queue");
            System.out.println("6. Bersihkan Queue");
            System.out.println("7. Keluar dari Program");
            System.out.print("Pilihan Menu (1 - 7) >>> ");
            Scanner menuOption = new Scanner(System.in);
            try {
                choosenMenu = menuOption.nextInt();
                loopX = 1;
            }catch(InputMismatchException e) {
                System.out.println("Masukan harus Angka!");
            }
        }
        System.out.println("");
        menuChooser(choosenMenu);
    }

    public static void main(String[] args) {
        menuProgram();
    }
}
```



```
java -cp /tmp/TXrW35wmDW JavaQueue
Contoh Program Queue dengan JavaMenu:
1. Tambah Queue
2. Keluarkan 1 data dari Queue
3. Keluarkan 1 data dari posisi tertentu
4. Status Queue
5. Tampilkan data dalam Queue
6. Bersihkan Queue
7. Keluar dari Program
Pilihan Menu (1 - 7) >
```