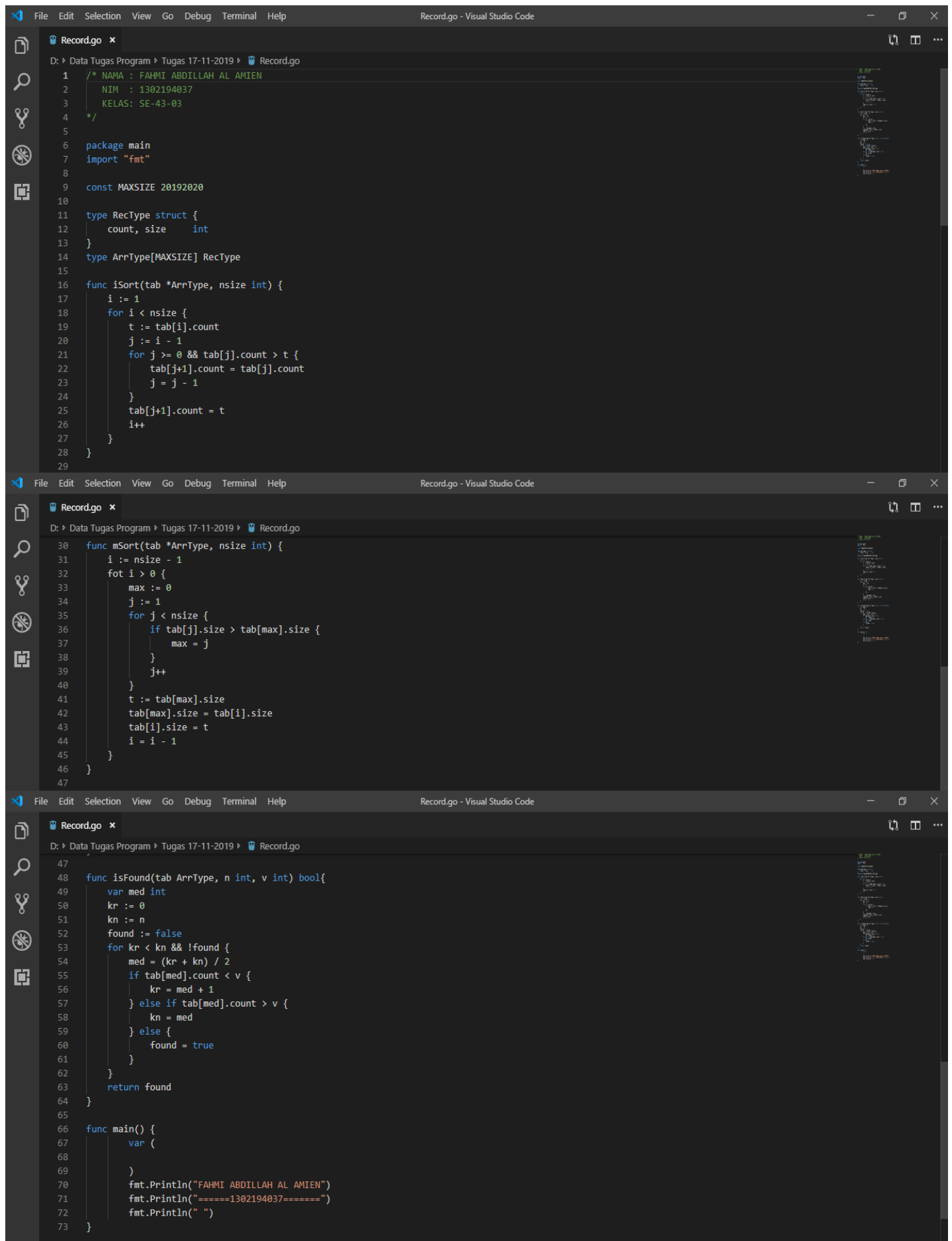


NAMA : FAHMI ABDILLAH AL AMIEN

KELAS : SE-43-03

NIM : 1302194037



```
Record.go x
D: \Data Tugas Program \Tugas 17-11-2019 \Record.go
1  /* NAMA : FAHMI ABDILLAH AL AMIEN
2     NIM : 1302194037
3     KELAS: SE-43-03
4  */
5
6  package main
7  import "fmt"
8
9  const MAXSIZE 20192020
10
11 type RecType struct {
12     count, size  int
13 }
14 type ArrType[MAXSIZE] RecType
15
16 func iSort(tab *ArrType, nsize int) {
17     i := 1
18     for i < nsize {
19         t := tab[i].count
20         j := i - 1
21         for j >= 0 && tab[j].count > t {
22             tab[j+1].count = tab[j].count
23             j = j - 1
24         }
25         tab[j+1].count = t
26         i++
27     }
28 }
29
Record.go x
D: \Data Tugas Program \Tugas 17-11-2019 \Record.go
30 func mSort(tab *ArrType, nsize int) {
31     i := nsize - 1
32     for i > 0 {
33         max := 0
34         j := 1
35         for j < nsize {
36             if tab[j].size > tab[max].size {
37                 max = j
38             }
39             j++
40         }
41         t := tab[max].size
42         tab[max].size = tab[i].size
43         tab[i].size = t
44         i = i - 1
45     }
46 }
47
Record.go x
D: \Data Tugas Program \Tugas 17-11-2019 \Record.go
48 func isFound(tab ArrType, n int, v int) bool{
49     var med int
50     kr := 0
51     kn := n
52     found := false
53     for kr < kn && !found {
54         med = (kr + kn) / 2
55         if tab[med].count < v {
56             kr = med + 1
57         } else if tab[med].count > v {
58             kn = med
59         } else {
60             found = true
61         }
62     }
63     return found
64 }
65
66 func main() {
67     var (
68     )
69     fmt.Println("FAHMI ABDILLAH AL AMIEN")
70     fmt.Println("=====1302194037=====")
71     fmt.Println(" ")
72 }
73
```