Tugor Pendohuluan Pencaman notar eletran menentukan nilar makamum (tertinggi) atau mmimum (krendah) pada humpulan dara Algorima bencaman yang terranun Acah. (Lequentral a Algorisma pencarran ini digunakan untuk menemukan nilai Champulan data young tersurun acak. Algoritma tortentu poda alian berhenn behua bondon yong dram andorh decombon Alojorima 3.) Pencarian (Brany poida Array Terunur Algorima pencanan yang dipelajan cebelumnya dilahuhan pada tabel acak. Walaupun bro diaphuanhan he tabel tape trobale opnimal. Binary Ranh wombagi menjadi 2 bagian, secara bertala unnuk lumpulan data mengecell cenay rub bagion knowbut, Rencamon alian dream temperuhi. handiri yang lienka berallhor & Binary Search Jequernal Deorch Devibedoor dar awal rampar althur Mencon lequencel pearly = veleum? 2 perconon pecara = Membagi Leoureh don Mencour de sub-array nya Binary

```
no2.go > 🛇 sequentialsearch
      package main
      type arr [998]int
      func sequentialsearch(T arr, n int, x int ) int{
 4
          var ketemu bool
          var k int
          ketemu = false
          k = 0
          for !ketemu && k < n {
               ketemu = T[k] == x
10
               if ketemu {
11
12
                   break
13
              k += 1
 14
15
16
          if k > n {
17
              k = -1
18
19
          return k
 20
21
```

```
package main
 1
 2
     type tabInt [999]int
   v func ascending(tab tabInt, n, x int) int {
          var left, right, mid int
 4
 5
          var found int
          left = 1
 6
          right = n
          found = -1
 8
          for left <= right && found == -1 {
              mid = (left + right) / 2
10
              if x < tab[mid] {</pre>
11
                  right = mid - 1
12
              } else if x > tab[mid] {
13
                  left = mid + 1
14
              } else {
15 V
                  found = mid
16
17
18
          return found
19
20
21 v func descending(tab tabInt, n, x int) int {
          var left, right, mid int
22
          var found int
23
          left = 1
24
25
          right = n
26
          found = -1
          for left <= right && found == -1 {
27 ∨
              mid = (left + right) / 2
28
              if x > tab[mid] {
29 🗸
                  right = mid - 1
30
              } else if x < tab[mid] {</pre>
31 ∨
                  left = mid + 1
32
              } else {
33 🗸
                  found = mid
34
35
36
          return found
37
```

```
🕶 no4.go 🕽 😭 exist
      package main
      import "fmt"
      type set [2022]int
      func main() {
          var s1, s2, s3 set // s = array, n = bilangan int
          var n1, n2, n3 int
          inputSet(&s1, &n1)
          inputSet(&s2, &n2)
          findIntersection(s1, s2, n1, n2, &s3, &n3)
          printSet(s3, n3)
 10
 11
      func exist(T set, n int, val int) bool {
 12
          var state bool = false
 13
          for i := 0; i < n; i++ \{
 14
 15
              if T[i] == val {
                   state = true
 16
 17
 18
 19
          return state
 20
      func inputSet(T *set, n *int) {
 21
          for i := 0; i < len(*T); i++ {
 22
 23
              fmt.Scan(&*n)
              if exist(*T, i, *n) {
 24
                   break
 25
 26
 27
              T[i] = *n
 28
 29
      func findIntersection(T1, T2 set, n, m int, T3 *set, h *int) {
 30
          for _, x := range T1 {
 31
              for i, y := range T2 {
 32
 33
                   if x == y & x != 0
                      T3[i] = x
 34
 35
                   }
 37
```