



LEMBAR JAWAB

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Prodi/Semester : TI 2A
Kelompok : A

Mata Kuliah : Algoritma & Struktur Data 2
Waktu : 60 Menit
Dosen Pengampu : Ary Henganto, S.Kom, MM.
Tanda Tangan :

1) Data nilai = 10, 56, 78, 2, 53, 78, 82, 0, 9

Urutan pada saat $P=5$?

$a[] = 10, 56, 78, 2, 53, 78, 82, 0, 9$

$n = 9$

Quick

$a = 10, 56, 78, 2, 53, 78, 82, 0, 9$

Start = 0

end = $9 - 1 = 8$

int $P = \text{partition}(a, 0, 8)$;

Partition

$a = 10, 56, 78, 2, 53, 78, 82, 0, 9$

Pivot = $a[8] = 9$

$i = 0 - 1 = -1$

for ($j = 0$; $j < 8$)

$j = 0$

if ($a[j] < \text{pivot}$)

$10 < 9$ (X)

$j = 1$

if ($a[j] < 9$)

$56 < 9$ (X)

$j = 2$

if ($a[j] < 9$)

$78 < 9$ (X)

$j = 3$

if ($a[j] < 9$)

$2 < 9$

$i = i + 1$

$i = -1 + 1 = 0$

$t = a[i] \rightarrow t = 10$

$a[i] = a[j] \rightarrow a[i] = 2$

$a[j] = 10$

$a = 2, 56, 78, 10, 53, 78, 82, 0, 9$

$j = 4$

if ($a[j] < 9$)

$53 < 9$ (X)

$j = 5$

if ($a[j] < 9$)

$78 < 9$ (X)

$j = 6$

if ($a[j] < 9$)

$82 < 9$ (X)

$j = 7$

if ($a[j] < 9$)

$0 < 9$

$i = i + 1$

$i = 0 + 1 = 1$

$t = a[i] \rightarrow t = 56$

$a[i] = a[j] \rightarrow a[i] = 0$

$a[j] = 56$

$a = 2, 0, 78, 10, 53, 78, 82, 56, 9$

J=8

if (a[8] < 9)

9 < 9 (x)

int t = a[i+1] → t = a[1+1];

t = a[2];

t = 78;

a[i+1] = a[end] → a[2] = a[8]

a[2] = 9;

a[end] = t → a[8] = 78;

return (i+1) → return 2;

q = 2 0 9 10 53 78 82 56 78

2

Public class Array List {

Public static class mobil {

private String merkMobil;

Private String Plat;

Public mobil ()

{

Public mobil (String merk, String plat) {

this.Merk mobil = merk;

this.Plat = plat;

}

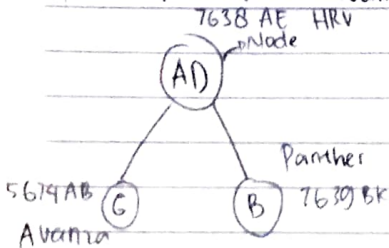
Public String get merk mobil () {return this. merk mobil;} }

Public void set merk mobil (String merk mobil) {this. merk mobil = merk mobil; }

}

}

Pertama kita menentukan pohon biner



Right = lebih besar
Left = lebih kecil

Node left, right adalah angka lebih kecil dari pada nodenya, Lalu kita mencari ke kanan dengan nilai yang lebih besar misal nodenya 7638 AE = HRV lalu geser ke kiri, dengan plat 5679 AB nilainya lebih kecil Avanza lalu geser ke kanan ke nilai 7639 BK Panther.