

monday

tuesday

wednesday

thursday

friday

saturday

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NIM : 201420026

Kelas : IF2A

1.

Diketahui data array:

50	22	65	30	10	15	10
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urutkan data tersebut dengan metode Bubble sort!

Pass 1

50	22	65	30	10	15	10
22	50	65	30	10	15	10

Pass 2

22	50	65	30	10	15	10
22	50	30	65	10	15	10
22	50	30	10	65	15	10
22	50	30	10	15	65	10
22	50	30	10	15	10	65

No.

Date :

○ monday

○ tuesday

○ wednesday

○ thursday

○ friday

○ saturday

Pass 3

22	50	30	10	15	10	65
22	30	50	10	15	10	65
22	30	10	50	15	10	65
22	30	10	15	50	10	65
22	30	10	15	10	50	65

Pass 4

22	30	10	15	10	50	65
22	10	30	15	10	50	65
22	10	15	30	10	50	65
22	10	15	10	30	50	65

Pass 5

22	10	15	10	30	50	65
10	22	15	10	30	50	65
10	15	22	10	30	50	65
10	15	10	22	30	50	65

Pass 6

10	15	10	22	30	50	65
10	10	15	22	30	50	65

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2

T E R P A N A

Pencarian data P metode linear.

Jumlah data = 7

Masukan item P

set ketemu = False

Ulangi loop 1 sampai dengan 7

Jika data sama dengan P maka

ketemu = True

Exit

Pencarian terhadap huruf P menggunakan metode Binary

LB = Lower Bound

UB = Upper Bound

Algoritma Binary Search

Pelaksanaan

Deskripsi

Baca data

Sort data

Baca item P

beg ← LB

end ← UB

mid ← (beg + end) Div 2



○ monday

○ tuesday

○ wednesday

○ thursday

○ friday

○ saturday

While (Beg < End) AND (Data [Mid] <> Item) Do

if Item < Data [Mid] Then

End = Mid - 1

Else

Beg = Mid + 1

~~End while~~

End If

Mid = (Beg + End) DIV 2

End while