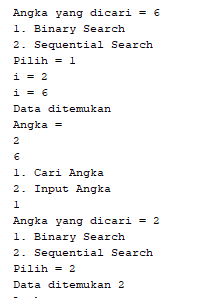


Keterangan Source Code :

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Keterangan Source Code :

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public static void main(String[] args) {

Scanner in = new Scanner(System.in);

Search search = new Search();

int angka;

Data check = new Data();

do{

System.out.println("Angka = ");

for (int a = 0; a<Modul\_5.list.size();a++){

System.out.println(Modul\_5.list.get(a));

}

System.out.println("1. Cari Angka");

System.out.println("2. Input Angka");

int pil1 =in.nextInt();

Keterangan Source Code :

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System.out.println("1. Binary Search");

System.out.println("2. Sequential Search");

System.out.print("Pilih = ");

int pil2 =in.nextInt();

switch(pil2){

case 1:

search.Binary(angka);

break;

case 2:

search.Sequntial(angka);

break;

}

break;

case 2:

System.out.print("Input Angka = ");

int nilai =in.nextInt();

Modul\_5.list.add(nilai);

break;

Keterangan Source Code :

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public int getcari(){

Scanner in = new Scanner(System.in);

System.out.print("Angka yang dicari = ");

try{

this.cari = in.nextInt();

}catch(Exception e){

System.out.println("Inputan Salah");

this.cari = 0;

}

return this.cari;

}

public abstract class Abstract {

public void Binary(int cari){};

public void Sequntial(int cari){};

}

Keterangan Source Code :

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public int getcari(){

Scanner in = new Scanner(System.in);

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this.cari = 0;

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}

public abstract class Abstract {

public void Binary(int cari){};

public void Sequntial(int cari){};

}

Keterangan Source Code :

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ArrayList<Integer> i = sort.getSort();

int n = i.size(); int atas = 0;int bawah = n-1;

boolean ketemu = false;

while((atas <= bawah)&&(ketemu == false)){

int tes = (atas+bawah)/2;

if(i.get(tes)==cari){

ketemu = true;

} else if(i.get(tes)<=cari){

atas = tes+1;

}else{

bawah = tes - 1;

}

}

if (ketemu){

System.out.println("Data ditemukan ");

}

else{

System.out.println("Data tidak ada");

}

Keterangan Source Code :

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public void prosesSort(){

for(int i= 0; i < this.array.size(); i++){

int index = i;

for (int j = i + 1; j < Modul\_5.list.size(); j++){

if (this.array.get(j) < this.array.get(index)){

index = j; } }

int nilaiTerkecil = this.array.get(index);

this.array.set(index, this.array.get(i));

this.array.set(i, nilaiTerkecil);

}

public ArrayList<Integer> getSort(){

return this.array;}

public void Sequntial(int cari){

for(int a=0;a<Modul\_5.list.size();a++){

if (cari == Modul\_5.list.get(a)){

System.out.println("Data ditemukan "+ Modul\_5.list.get(a));

}

}

Keterangan Source Code :

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