

TUGAS PEKAN 5

PRATIUM PEMROGRAMAN ALGORITMA DAN PEMROGRAMAN

disusun Oleh:

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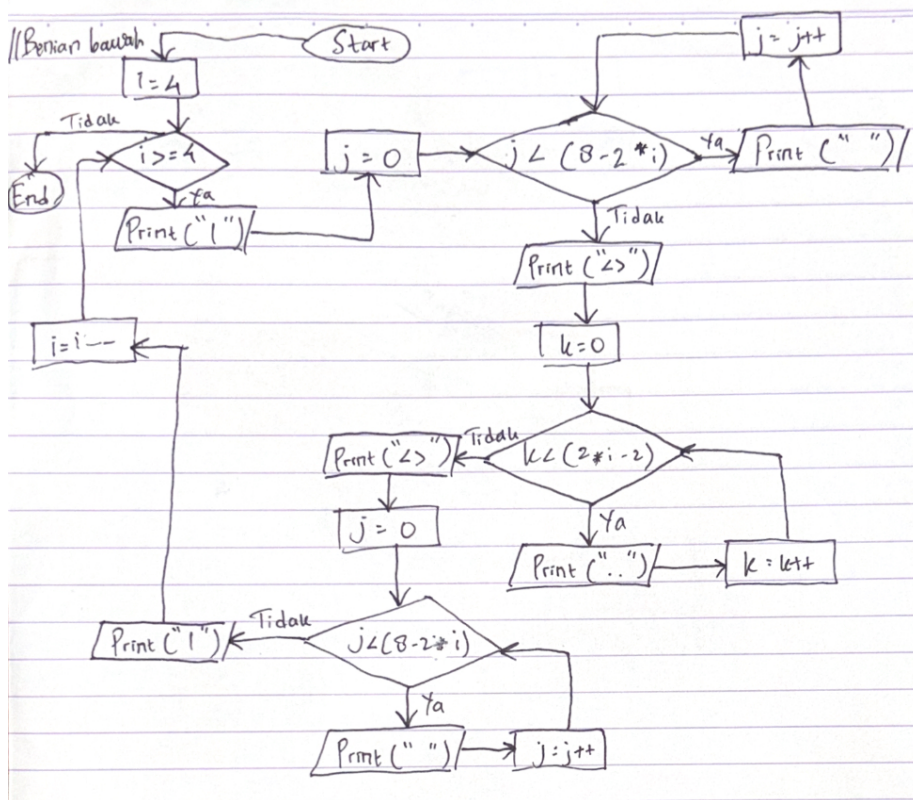
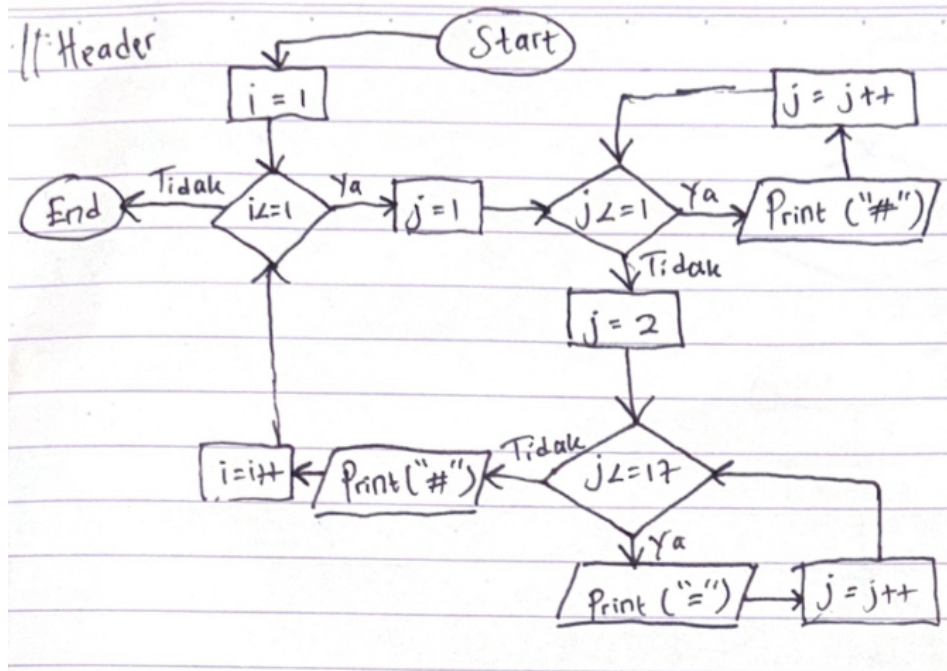
KODE PROGRAM

```

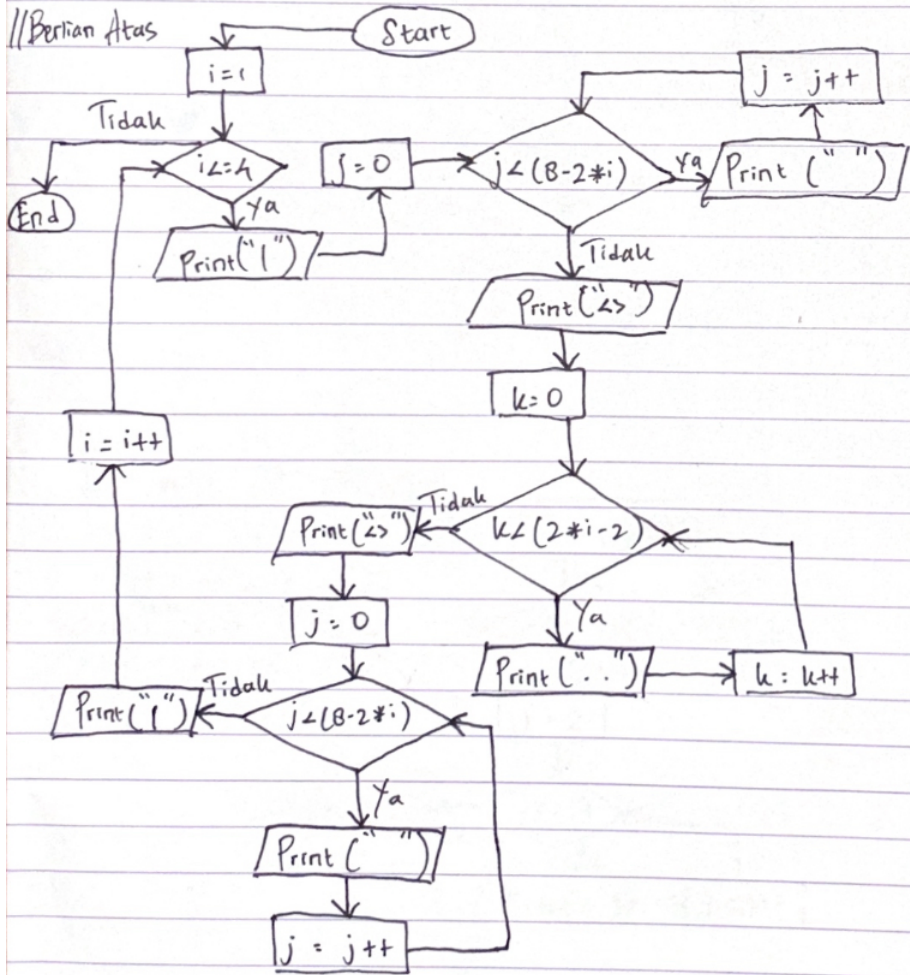
1 package pekan5;
2
3 public class TugasNestedFor {
4
5     public static void main(String[] args) {
6         for (int i = 1; i <= 1; i++) {
7             for (int j = 1; j <= 1; j++) {System.out.print("#");}
8             for (int j = 2; j <= 17; j++) {System.out.print("=");}
9             System.out.println ("#");}
10        for (int i = 1; i <= 4; i++) {System.out.print("|");
11            for (int j = 0; j < (8 - 2 * i); j++) {System.out.print(" ");}
12            System.out.print("<");
13            for (int k = 0; k < (2 * i - 2); k++) {System.out.print("..");}
14            System.out.print(">");
15            for (int j = 0; j < (8 - 2 * i); j++) {System.out.print(" ");}
16            System.out.println("|");}
17        for (int i = 4; i >= 1; i--) {System.out.print("|");
18            for (int j = 0; j < (8 - 2 * i); j++) {System.out.print(" ");}
19            System.out.print("<");
20            for (int k = 0; k < (2 * i - 2); k++) {System.out.print("..");}
21            System.out.print(">");
22            for (int j = 0; j < (8 - 2 * i); j++) {System.out.print(" ");}
23            System.out.println("|");}
24        for (int i = 1; i <= 1; i++) {
25            for (int j = 1; j <= 1; j++) {System.out.print("#");}
26            for (int j = 2; j <= 17; j++) {System.out.print("=");}
27            System.out.println ("#");}}}
28

```

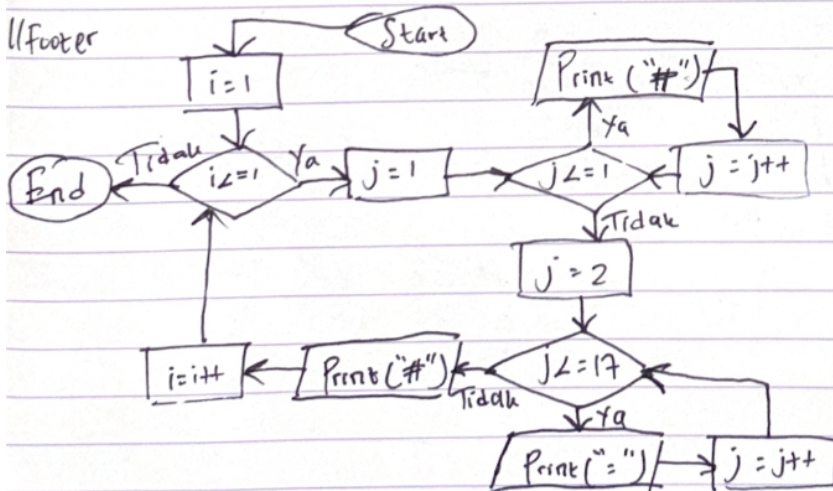
FLOWCHART



// Berlian Atas



// Footer



PSEUDOCODE

Judul :

Program perulangan for untuk mendapatkan gambar output yang diinginkan

Deklarasi

Variabel i = Integer

Variabel j = Integer

Variabel k = Integer

Algoritma

//Header

```
1. Input i = 1
2. for i<=1
3.     Input j = 1
4.     for j<=1, Print ("##")
5.     j = j++
6.     End for
7.     Input j = 2
8.     for j<=17, Print ("=")
9.     j = j++
10.    End for
11.    Print ("##")
12. i = i++
13. End for
```

//Berlian Atas

```
1. Input i = 1
2. for i <= 4
3.     Input j = 0
4.     for j < (8 - 2 * i), Print (" ")
5.     j = j++
6.     End for
7.     Print ("<>")
8.     Input k = 0
9.     for k < (2 * i - 2), Print (" . ")
10.    k = k++
11.    End for
12.    Print ("<>")
13.    Input j = 0
14.    for j < (8 - 2 * i), Print (" ")
15.    j = j++
16.    End for
```

17. Print ("|")

18. i = i++

19. End for

//Berlian Bawah

1. Input i = 4

2. for i >= 1

3. Input j = 0

4. for j < (8 - 2 * i), Print (" ")

5. j = j++

6. End for

7. Print ("<>")

8. Input k = 0

9. for k < (2 * i - 2), Print (" . ")

10. k = k++

11. End for

12. Print ("<>")

13. Input j = 0

14. for j < (8 - 2 * i), Print (" ")

15. j = j++

16. End for

17. Print ("|")

18. i = i--

19. End for

//Footer

1. Input i = 1

2. for i <= 1

3. Input j = 1

4. for j <= 1, Print ("#")

5. j = j++

6. End for

7. Input j = 2

8. for j <= 17, Print ("=")

9. j = j++

10. End for

11. Print ("#")

12. i = i++

13. End for