

Logic Building Session

Day 3: May 2021

Kiran Waghmare





May21 LB Notes.txt

167 (conditional expression

168

169

170 Day 3: Logic Building Session May 2021

171 Date :29/04/2021

172

173



Mouse



Select



Text



Draw



Stamp



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Eraser



Format



Undo



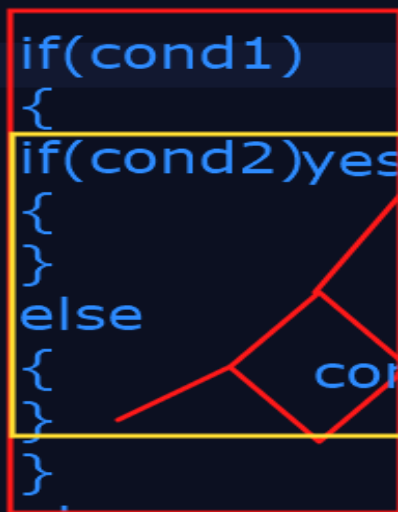
Redo



Who can see what you share here?



```
if(cond1)
{
}
else
{
}
```



```
if(cond1)
```

```
{
if(cond2)yes
{
}
```

```
else
```

```
{
}
```

```
}
```

```
cond2
```

```
else
```

```
{
}
```

```
}
```

```
cond1
```

```
no
```

```
cond3
```

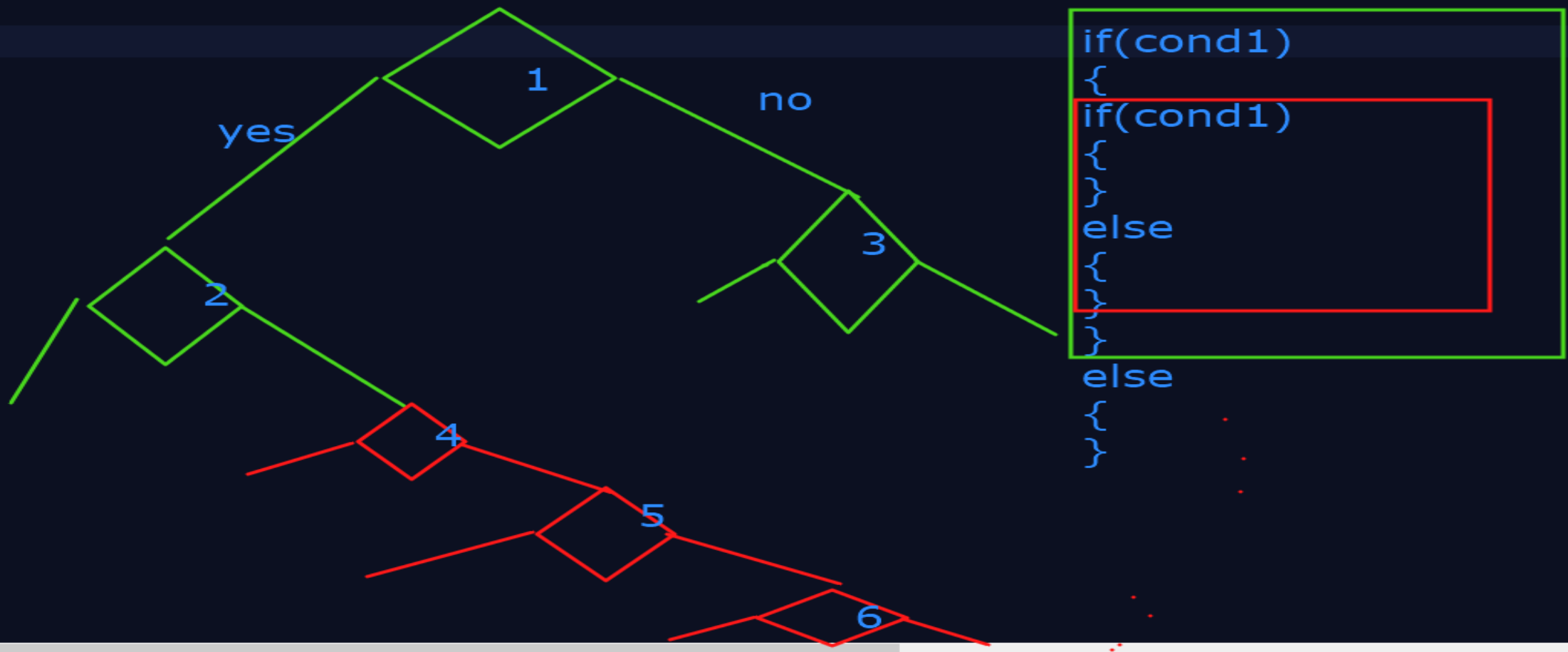
167
168
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173

(conditional expression

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Who can see what you share here? Recording On

Day 3: Logic Building Session May 2021
Date :29/04/2021



```
1 class ForLoop2
2 {
3 public static void main(String args[])
4 {
5     for(int i=1;i<=5;i++)
6     {
7         System.out.println(i);
8         if(i==3)
9             break;
10        System.out.println(i);
11    }
12
13    }
14 }
15
```

~~i=1 2 3~~

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Who can see what you share here? Recording On

```
120
C:\Test>javac ForLoop2.java
C:\Test>java ForLoop2
1
1
2
2
3
C:\Test>
```

```
1 class ForLoop3
2 {
3 public static void main(String args[])
4 {
5     for(int i=1;i<=5;i++)
6     {
7         System.out.println(i);
8         if(i==3)
9             continue;
10        System.out.println(i);
11    }
12 }
13 }
14 }
15 }
```

~~i=1~~ ~~2~~ ~~3~~ ~~4~~ 5

Who can see what you share here? Recording On

C:\Test>javac ForLoop3.java

C:\Test>java ForLoop3

1
1
2
2
3
4
4
5
5

no execution

C:\Test>

C:\Test\Pattern1.java - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

May21 LB Notes.txt whileLoop1.java Pattern1.java Java

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You are screen sharing Stop Share Who can see what you share here? Recording On

1 class Pattern1

2 {

3 public static void main(String args[])

4 {

5 for(int i=1;i<=9;i++) //Row

6 {

7 for(int j=1;j<=i;j++) //Column

8 {

9 System.out.print("* # \$ | ");

10 }

11 System.out.println();

12 }

13 }

14 }

15 }

16

17

18 //3X3

19 //Row: i : 3

20 //Column: j : 3

1	1	1
1	1	1
1	1	1

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Java source file length : 255 lines : 20 Ln : 15 Col : 2 Pos : 214 Windows (CR LF) UTF-8 INS

```

1 class Pattern2
2 {
3     public static void main(String args[])
4     {
5         for(int i=1;i<=9;i++) //Row
6         {
7             for(int j=1;j<=i;j++) //Column
8             {
9                 System.out.print("* # $ | ");
10            }
11            System.out.println();
12        }
13    }
14 }
15 }
16
17
18 //3X3
19 //Row: i : 3
20 //Column: j : 3

```


- 11
- 12
- 13

21
22
23

31
32
33

 i, j
$$1 = 1, 2, 3$$
$$2 = 1, 2, 3$$
$$3 = 1, 2, 3$$

Talking:



11	12	13
21	22	23
31	32	33

$$3 = 1, 2, 3$$

Java source file	length : 255	lines : 20	Ln : 18	Col : 6	Pos : 225	Windows (CR LF)	UTF-8	INS
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C:\Test\Pattern3.java - Notepad++

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May21 LB Notes.txt whileLoop1.java Pattern3.java Java

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Who can see what you share here? Recording On

1class Pattern3

2={

3public static void main(String args[])

4={

5for(int i=1;i<=5;i++) //Row

6{

7for(int j=1;j<=5;j++) //Column

8{

9System.out.print(j);

10}

11System.out.println();

12}

13}

14}

15}

16

17

18//3X3

19//Row: i : 3

20//Column: j : 3

12345

12345

12345

12345

12345

i j

1=1,2,3,4,5

2=1,2,3,4,5

3=1,2,3,4,5

4=1,2,3,4,5

5=1,2,3,4,5

5X5

1=1,2,3,4,5

j=1,2,3,4,5

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Java source filelength : 246 lines : 20Ln : 11 Col : 13 Pos : 171Windows (CR LF)UTF-8INS

C:\Test\Pattern3.java - Notepad++

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May21 LB Notes.txt whileLoop1.java Pattern3.java Java

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Who can see what you share here? Recording On

1class Pattern3

2={

3public static void main(String args[])

4={

5for(int i=1;i<=5;i++) //Row

6{

7for(int j=1;j<=5;j++) //Column

8{

9System.out.print(j);

10}

11System.out.println();

12}

13}

14}

15}

16

175X5

18//3X3

19//Row: i : 3

20//Column: j : 3

12345

12345

12345

12345

12345

i j

1=1,2,3,4,5

2=1,2,3,4,5

3=1,2,3,4,5

4=1,2,3,4,5

5=1,2,3,4,5

1 1 1 1 1

2 2 2 2 2

3 3 3 3 3

4 4 4 4 4

5 5 5 5 5

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Java source filelength : 246 lines : 20Ln : 11 Col : 13 Pos : 171Windows (CR LF)UTF-8INS

C:\Test\Pattern3.java - Notepad++

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May21 LB Notes.txt whileLoop1.java Pattern3.java Java

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Who can see what you share here? Recording On

```
1 class Pattern3
2 {
3     public static void main(String args[])
4     {
5         for(int i=1;i<=5;i++) //Row
6         {
7             for(int j=1;j<=5;j++) //Column
8             {
9                 System.out.print(i);
10            }
11            System.out.println();
12        }
13    }
14 }
15 }
16
17 C:\Test>javac Pattern3.java
18
19 C:\Test>java Pattern3
20
11111
22222
33333
44444
55555
C:\Test>
```

Command Prompt

C:\Test>javac Pattern3.java

C:\Test>java Pattern3

5X5

1=1,2,3,4,5

j=1,2,3,4,5

12345

12345

12345

12345

12345

i j

1=1,2,3,4,5

2=1,2,3,4,5

3=1,2,3,4,5

4=1,2,3,4,5

5=1,2,3,4,5

1 1 1 1 1

2 2 2 2 2

3 3 3 3 3

4 4 4 4 4

5 5 5 5 5

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Java source file

INS

C:\Test\Pattern3.java - Notepad++

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May21 LB Notes.txt

whileLoop1.java

Pattern3.java

JavaS

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Redo

Who can see what you share here? Recording On

1class Pattern3

2{

3public static void main(String args[])

4{

5for(int i=1;i<=5;i++) //Row

6{

7for(int j=1;j<=5;j++) //Column

8{

9System.out.print(i);

10}

11System.out.println();

12}

13}

14}

15}

16

17

18/

19/

20/

12345

12345

12345

12345

12345

i j

1=1,2,3,4,5

2=1,2,3,4,5

3=1,2,3,4,5

4=1,2,3,4,5

5=1,2,3,4,5

5X5

1=1,2,3,4,5

j=1,2,3,4,5

11111

22222

33333

44444

55555

1 1 1 1 1

2 2 2 2 2

3 3 3 3 3

4 4 4 4 4

5 5 5 5 5

Command Prompt

C:\Test>javac Pattern3.java

C:\Test>java Pattern3

C:\Test>

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Java source file

INS

C:\Test\Pattern4.java - Notepad++

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May21 LB Notes.txt whileLoop1.java Pattern4.java JavaS

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Who can see what you share here? Recording On

1 class Pattern4

2 {

3 public static void main(String args[])

4 {

5 for(int i=1;i<=5;i++) //Row

6 {

7 for(int j=1;j<=i;j++) //Column

8 {

9 //Pattern 3

10 //1234512345123451234512345

11 C:\Test>javac Pattern3.java

12 C:\Test>java Pattern3

13 12345

14 }12345

15 }12345

16 }12345

17 }12345

18 //Pattern 4

19 C:\Test>javac Pattern3.java

20 C:\Test>java Pattern3

11111

Command Prompt

1234512345123451234512345

C:\Test>javac Pattern3.java

C:\Test>java Pattern3

12345

12345

12345

12345

12345

5X5

1=1,2,3,4,5

j=1,2,3,4,5

C:\Test>javac Pattern3.java

C:\Test>java Pattern3

11111

12345

12345

12345

12345

12345

i j

1=1,2,3,4,5

2=1,2,3,4,5

3=1,2,3,4,5

4=1,2,3,4,5

5=1,2,3,4,5

1 1 1 1 1

2 2 2 2 2

3 3 3 3 3

4 4 4 4 4

5 5 5 5 5

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Java source file length : 246 lines : 20 Ln : 17 Col : 1 Pos : 209 Windows (CR LF) UTF-8 INS

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Who can see what you share here? Recording On

FileEditSearchViewEncodingLanguageSettings

May21 LB Notes.txtwhileLoop1.javaPattern5.javaJavaSnippet.txtnew 1

1class Pattern4

2={

3public static void main(String args[])

4={

5for(int i=1;i<=5;i++) //Row

6{

7for(int j=1;j<=i;j++) //Column

8{

9System.out.print(j);

10}

11System.out.println();

12}

13}

14}

15}

16}

17

18//3X3

19//Row: i : 3

20//Column: j : 3

i=1, j=1
i=2, j=1,2
i=3, j=1,2,3
i=4, j=1,2,3,4
i=5, j=1,2,3,4,5

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Java source filelength : 246 lines : 20Ln : 5 Col : 31 Pos : 90Windows (CR LF)UTF-8INS

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Undo

Redo

Clear

Save

File Edit Search View Encoding Language Settings

May21 LB Notes.txt whileLoop1.java Pattern5.java JavaSnippet.txt new 1

1 class Pattern5

2 {

3 public static void main(String args[])

4 {

5 for(int i=1;i<=5;i++) //Row

6 {

7 for(int j=1;j<=i;j++) //Column

8 {

9 System.out.print(j);

10 }

11 System.out.println();

12 }

13 .

14 }

15 }

16

17

18 //3X3

19 //Row: i : 3

20 //Column: j : 3

1 1

12 3

123 6

1234 10

12345 15

i j

i=1, j=1

i=2, j=1,2

i=3, j=1,2,3

i=4, j=1,2,3,4

i=5, j=1,2,3,4,5

Talking:

Java source file length : 246 lines : 20 Ln : 7 Col : 29 Sel : 4 | 1 Windows (CR LF) UTF-8 INS

Mouse

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Eraser

Format

Undo

Redo

Clear

Save

New Share

Stop Share

File Edit Search View Encoding Language Settings

May21 LB Notes.txt whileLoop1.java Pattern5.java JavaSnippet.txt new 1

```
1 class Pattern5
2 {
3     public static void main(String args[])
4     {
5         int c=0;
6         for(int i=1;i<=5;i++) //Row
7         {
8             for(int j=1;j<=i;j++) //Column
9             {
10                System.out.print(j);
11                c=c+j;
12            }
13            System.out.print(" "+c);
14            c=0;
15            System.out.println();
16        }
17    }
18 }
19 }
20
21
22 //3X3
23 //Row: i : 3
24 //Column: j : 3
```

1 1

12 3

123 6

1234 10

12345 15

i j

i=1, j=1
i=2, j=1,2
i=3, j=1,2,3
i=4, j=1,2,3,4
i=5, j=1,2,3,4,5

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Java source file length : 307 lines : 24 Ln : 20 Col : 1 Pos : 268 Windows (CR LF) UTF-8 INS

C:\Test\Pattern7.java - Notepad++

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May21 LB Notes.txt whileLoop1.java Pattern7.java JavaSnippet.txt new 1

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Who can see what you share here? Recording On

```
1 class Pattern7
2 {
3     public static void main(String args[])
4     {
5         int c=0;
6         for(int i=1;i<=5;i++) //Row
7         {
8             for(int j=1;j<=i;j++) //Column
9             {
10                c=c+1;
11                System.out.print(c+" ");
12            }
13            System.out.println();
14        }
15    }
16 }
17
18 //5X5
19 //Row: i : 5
20 //Column: j : 5
```

1
2 3
4 5 6
7 8 9 10
11 12 13 14 15

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Java source file length : 284 lines : 24 Ln : 19 Col : 2 Pos : 243 Windows (CR LF) UTF-8 INS

*C:\Test\Pattern7.java - Notepad++

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May21 LB Notes.txt whileLoop1.java Pattern7.java JavaSnippet.txt new 1

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Who can see what you share here? Recording On

```
1 class Patt
2 {
3     public static void main(String args[])
4     {
5
6         for(int i=1;i<=5;i++) //Row
7         {
8             for(int j=1;j<=i;j++) //Column
9             {
10                c=c+1;
11                System.out.print(c+" ");
12            }
13
14            System.out.println();
15
16        }
17    }
18 }
19
20
21
22 //5X5
23 //Row: i : 5
24 //Column: j : 5
```

i j

1 1

2 1 2

3 1,2,3

4 1,2,3,4

5 1,2,3,4,5

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Java source file length : 276 lines : 24 Ln : 8 Col : 42 Pos : 131 Windows (CR LF) UTF-8 INS

C:\Test\Pattern7.java - Notepad++

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May21 LB Notes.txt whileLoop1.java Pattern7.java JavaSnippet.txt new 1

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Who can see what you share here? Recording On

```
1 class Pattern7
2 {
3     public static void main(String args[])
4     {
5
6         for(int i=1;i<=5;i++) //Row
7         {
8             for(int j=i;j>=1;j--) //Column
9             {
10
11                 System.out.print(j);
12
13             }
14
15             System.out.println();
16
17         }
18     }
19 }
20
21
22 //
23 //
24 //
```

i j

1	1
2	1 2
3	1 2 3
4	1 2 3 4
5	1 2 3 4 5

1

21
321
4321
54321

Command Prompt

```
C:\Test>java Pattern7
1
21
321
//4321
//54321
//
```

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Java source file

INS