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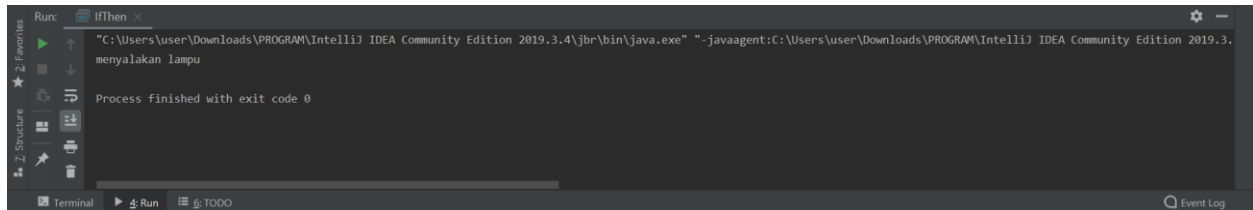
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### IFTHEN

```
package com.dicoding.javafundamental.percabangan;

public class IfThen {
    public static void main(String[] args) {
        boolean isOn = true;

        if (isOn) {
            System.out.println("menyalakan lampu");
        }
    }
}
```

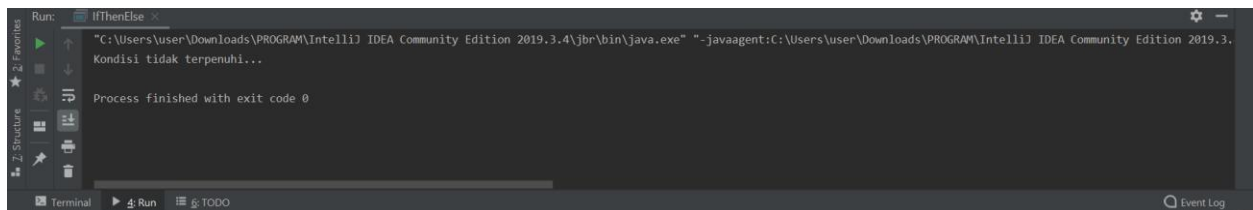


### IFTHENELSE

```
package com.dicoding.javafundamental.percabangan;

public class IfThenElse {
    public static void main(String[] args) {
        boolean isOn = false;

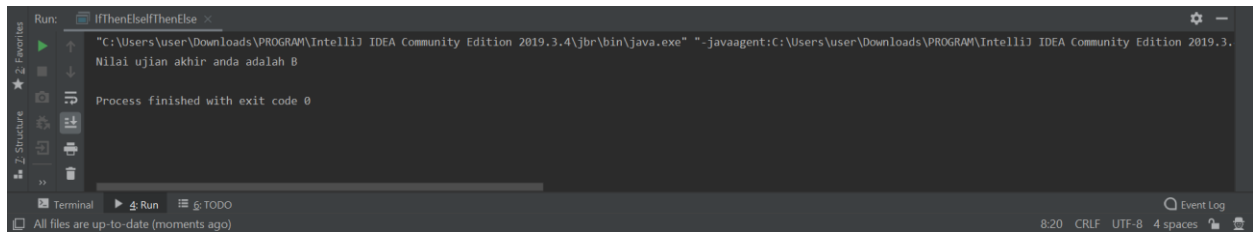
        if (isOn) {
            System.out.println("Menyalakan lampu");
        } else {
            System.out.println("Kondisi tidak terpenuhi...");
        }
    }
}
```



## IF THEN ELSE SELF THEN ELSE

```
package com.dicoding.javafundamental.percabangan;

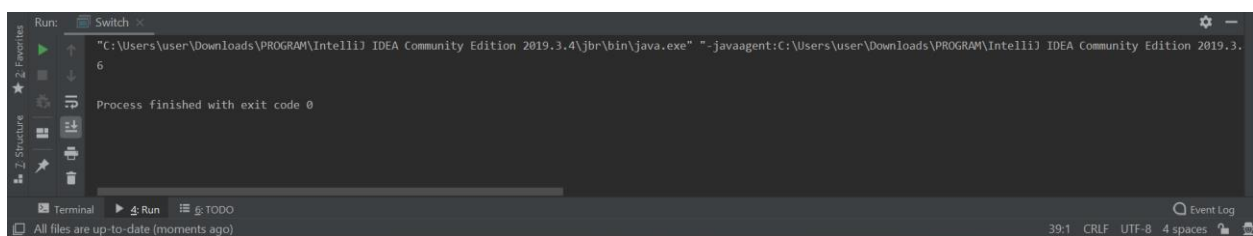
public class IfThenElseIfThenElse {
    public static void main(String[] args) {
        int nilaiUjian = 80;
        char indeksPrestasi;
        if (nilaiUjian >= 90) {
            indeksPrestasi = 'A';
        } else if (nilaiUjian >= 80) {
            indeksPrestasi = 'B';
        } else if (nilaiUjian >= 70) {
            indeksPrestasi = 'C';
        } else if (nilaiUjian >= 60) {
            indeksPrestasi = 'D';
        } else if (nilaiUjian >= 50) {
            indeksPrestasi = 'E';
        } else {
            indeksPrestasi = 'F';
        }
        System.out.println("Nilai ujian akhir anda adalah " + indeksPrestasi);
    }
}
```



## SWITCH

```
package com.dicoding.javafundamental.percabangan;

public interface Switch {
    public static void main(String[] args) {
        int input = 6;
        switch (input) {
            case 1:
                System.out.println("1");
                break;
            case 2:
                System.out.println("2");
                break;
            case 3:
                System.out.println("3");
                break;
            case 4:
                System.out.println("4");
                break;
            case 5:
                System.out.println("5");
                break;
            case 6:
                System.out.println("6");
                break;
            case 7:
                System.out.println("7");
                break;
            case 8:
                System.out.println("8");
                break;
            case 9:
                System.out.println("9");
                break;
            default:
                break;
        }
    }
}
```



## SWITCHWITHOUTBREAK

```
package com.dicoding.javafundamental.percabangan;

public class SwitchWithoutBreak {
    public static void main(String[] args) {
        char input = 'C';
        int output = 0;
        switch (input) {
            case 'A':
                output++;
            case 'B':
                output++;
            case 'C':
                output++;
            case 'D':
                output++;
            case 'E':
                output++;
            default:
                output++;
        }
        System.out.println("Nilai akhirnya adalah " + output);
    }
}
```

OR

```
package com.dicoding.javafundamental.percabangan;

public class SwitchWithoutBreak {
    public static void main(String[] args) {
        char input = 'C';
        int output = 0;
        switch (input) {
            case 'A':
                output++;
            case 'B':
                output++;
            case 'C':
                // Program akan menjalankan kode di dalam case ini
                output++; // output = 1

                // Karena di akhir case C tidak ada break, maka program akan
                menjalankan case selanjutnya
            case 'D':
                // Kode ini akan dijalankan oleh program
                output++; // output = 2
            case 'E':
                // Kode ini akan dijalankan oleh program
                output++; // output = 3
            default:
                // Case default juga akan dijalankan
        }
    }
}
```

```
        output++; // output = 4
    }
    System.out.println("Nilai akhirnya adalah " + output);
}
```

