

# **TUGAS 1**

## **LATIHAN JAVA**

Diajukan untuk memenuhi salah satu tugas Mata kuliah Pemrograman Berorientasi Objek

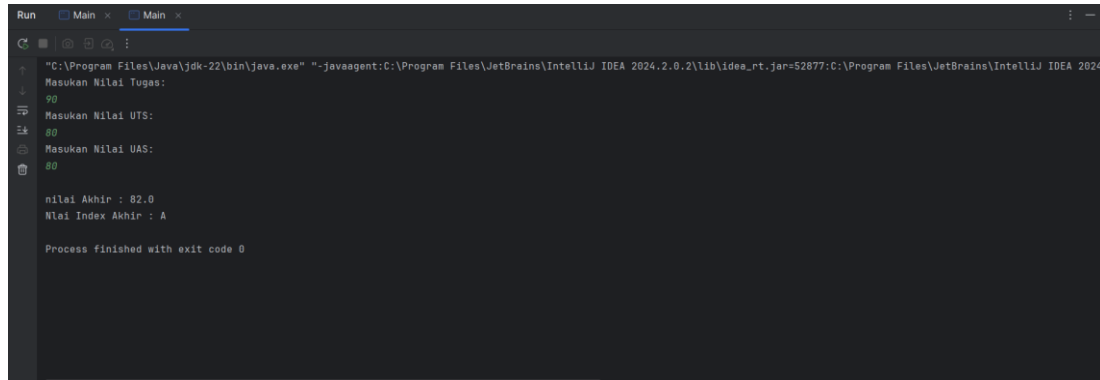


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**2024**

## ScreenShot Hasil

### 1. Pengujian nilai grade akhir A

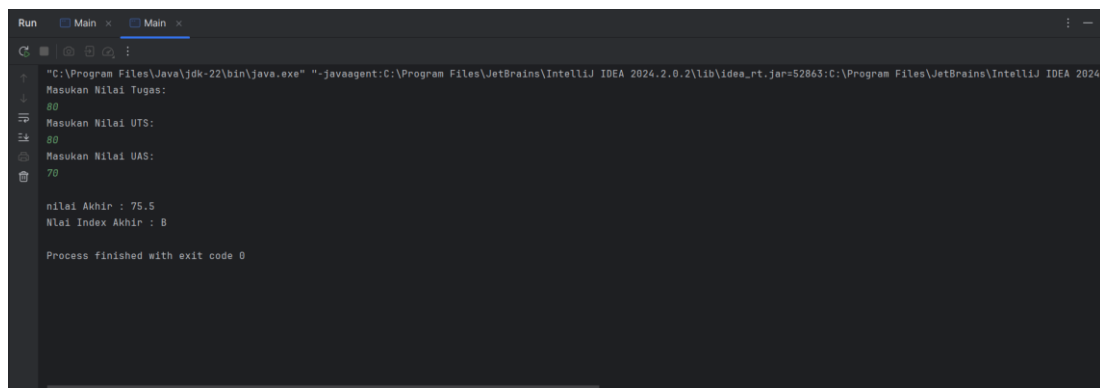


```
Run Main x Main x
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\lib\idea_rt.jar=52877:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin" -Dfile.encoding=UTF-8
Masukan Nilai Tugas:
90
Masukan Nilai UTS:
80
Masukan Nilai UAS:
80

nilai Akhir : 82.0
Nilai Index Akhir : A

Process finished with exit code 0
```

### 2. Pengujian nilai grade akhir B

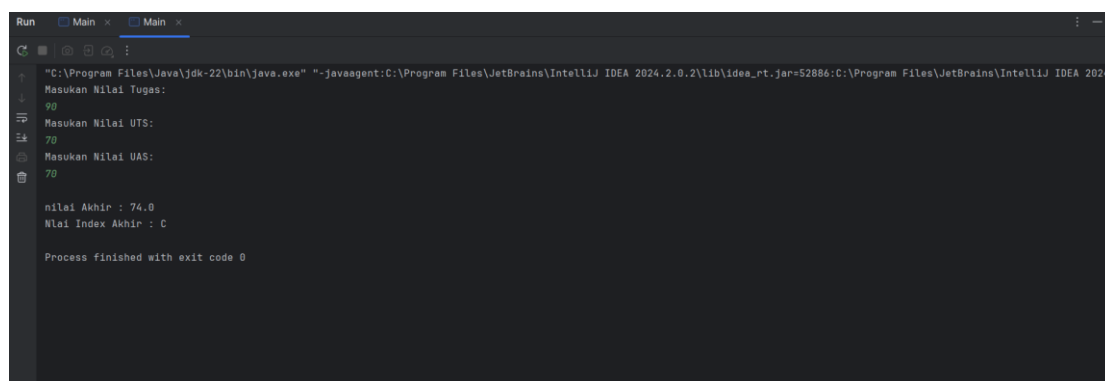


```
Run Main x Main x
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\lib\idea_rt.jar=52863:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin" -Dfile.encoding=UTF-8
Masukan Nilai Tugas:
80
Masukan Nilai UTS:
80
Masukan Nilai UAS:
70

nilai Akhir : 75.5
Nilai Index Akhir : B

Process finished with exit code 0
```

### 3. Pengujian nilai grade akhir C

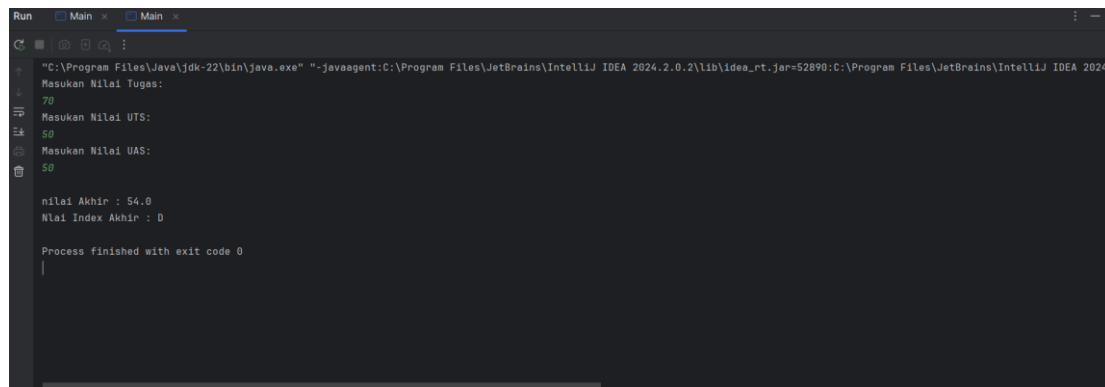


```
Run Main x Main x
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\lib\idea_rt.jar=52886:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin" -Dfile.encoding=UTF-8
Masukan Nilai Tugas:
90
Masukan Nilai UTS:
70
Masukan Nilai UAS:
70

nilai Akhir : 74.0
Nilai Index Akhir : C

Process finished with exit code 0
```

#### 4. Pengujian nilai grade akhir D

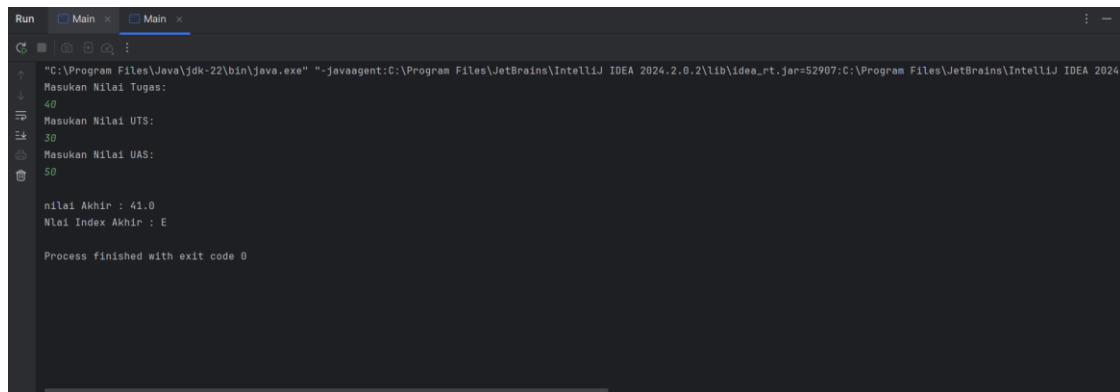


```
Run Main x Main x
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\lib\idea_rt.jar=52890:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin" -Didea.config.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\conf -Didea.copyright.notification.enabled=true -Didea.log.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\log -Didea.platform.prefix=Java -Djava.awt.headless=true -Djava.class.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin\idea_rt.jar -Djava.library.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin
Masukan Nilai Tugas:
70
Masukan Nilai UTS:
50
Masukan Nilai UAS:
50

nilai Akhir : 54.0
Nilai Index Akhir : 0

Process finished with exit code 0
```

#### 5. Pengujian nilai grade akhir E



```
Run Main x Main x
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\lib\idea_rt.jar=52907:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin" -Didea.config.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\conf -Didea.copyright.notification.enabled=true -Didea.log.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\log -Didea.platform.prefix=Java -Djava.awt.headless=true -Djava.class.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin\idea_rt.jar -Djava.library.path=C:\Program Files\JetBrains\IntelliJ IDEA 2024.2.0.2\bin
Masukan Nilai Tugas:
40
Masukan Nilai UTS:
30
Masukan Nilai UAS:
50

nilai Akhir : 41.0
Nilai Index Akhir : E

Process finished with exit code 0
```

### Source Code

```
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {
        //Initiazlization
        float nilaiTugas, nilaiUTS, nilaiUAS, nilaiAkhir;
        Scanner scanner = new Scanner(System.in);
        char nilaiIndex;

        //Input Nilai Mahasiswa
        System.out.println("Masukan Nilai Tugas: ");
        nilaiTugas = scanner.nextFloat();

        System.out.println("Masukan Nilai UTS: ");
        nilaiUTS = scanner.nextFloat();

        System.out.println("Masukan Nilai UAS: ");
        nilaiUAS = scanner.nextFloat();
```

```

//Kalkulasi Nilai
nilaiAkhir = (nilaiTugas * 20 / 100 ) + (nilaiUTS * 35 / 100) + (nilaiUAS * 45 / 100);

//Penentuan Nilai Index
if(nilaiAkhir >= 80){
    nilaiIndex = 'A';
}else if(nilaiAkhir >= 75 && nilaiAkhir < 80){
    nilaiIndex = 'B';
} else if (nilaiAkhir >= 65 && nilaiAkhir < 75) {
    nilaiIndex = 'C';
} else if (nilaiAkhir >= 49 && nilaiAkhir < 65) {
    nilaiIndex = 'D';
}else
    nilaiIndex = 'E';

//Print nilai akhir dan nilai index akhir
System.out.println("\nnilai Akhir : " + nilaiAkhir);
System.out.println("Nilai Index Akhir : " + nilaiIndex);
}
}

```