

LAPORAN PRAKTIKUM

Week 1

Disusun untuk memenuhi salah satu tugas praktikum Mata kuliah Pemrograman
Berorientasi Objek



Disusun Oleh:

Tsinan Arun Jaisy Sayyid Turnawan (241511028)

Jurusan Teknik Komputer dan Informatika

Program Studi D-3 Teknik Informatika

Politeknik Negeri Bandung

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Part 1

1.

```
C:\Users\tsina>java -version
java version "17.0.12" 2024-07-16 LTS
Java(TM) SE Runtime Environment (build 17.0.12+8-LTS-286)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.12+8-LTS-286, mixed mode, sharing)

E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 1>javac Welcome.java

E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 1>java Welcome
Welcome to Core Java!
=====
```
2.

```
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 1>|
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 1>javac Soal_3.java

E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 1>java Soal_3
Hasil 1 -125
```
3.

```
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 1>|
```

Kenapa -125, dikarenakan value untuk byte itu -128 sampai 127 untuk rangesnya. Maka Ketika 125 tambah 6 itu Ketika sudah sampai 127 langsung diulang ke -128

Source: https://docs.oracle.com/javase/specs/jls/se17/html/jls-4.html?utm_source=chatgpt.com#jls-4.2.1

Part 2

Data Types

```
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>javac DataTypes.java  
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>java DataTypes  
5  
-150  
-150 can be fitted in:  
* short  
* int  
* long  
150000  
150000 can be fitted in:  
* int  
* long  
1500000000  
1500000000 can be fitted in:  
* int  
* long  
21333333333333333333333333333333  
21333333333333333333333333333333 can't be fitted anywhere.  
-1000000000000000  
-1000000000000000 can be fitted in:  
* long  
  
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>
```

Constanst

```
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>javac Constants.java
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>java Constants
Paper size in centimeters: 21.59 by 27.94
```

```
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>javac Constants2.java
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>java Constants2
Paper size in centimeters: 21.59 by 27.94
```

Floating Point

```
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>javac FloatingPoint.java
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>java FloatingPoint
```

Convert Data Type

```
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>javac ConvertDataType.java  
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>java ConvertDataType  
10  
10.25  
10.25
```

Strings

```
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>javac Strings.java  
E:\Dokumen\POLBAN\Semester 3\PBO\Week 1\Part 2>java Strings  
hello  
java  
9  
No  
Hello Java
```