TUGAS 1

Praktikum PBO

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1. **hallo.java**

```
PS D:\Kuliah\Semester 4\Praktikum PBO>  & 'C:\Progra
' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspa
37e4\bin' 'hallo'
Hallo...
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

2. **TestGreeting**

```
PS D:\Kuliah\Semester 4\Praktikum PBO>  & 'C:\Program Files\Jav
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspace
Praktikum PBO_2b4c37e4\bin' 'TestGreeting'
Hi
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

3. **Test1.java**

```
PS D:\Kuliah\Semester 4\Praktikum PBO>  & 'C:\Program Fi
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\wo
Praktikum PBO_2b4c37e4\bin' 'Test1'
Whats Wrong With this Program
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

4. **Test 2**

```
PS D:\Kuliah\Semester 4\Praktikum PBO>  & 'C:\Program Fi
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\wo
Praktikum PBO_2b4c37e4\bin' 'Test1'
Whats Wrong With this Program
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

5. **Test3.java**

```
PS D:\Kuliah\Semester 4\Praktikum PBO> ... ...
owCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Lenov
.java\jdt_ws\Praktikum PBO_2b4c37e4\bin' 'Test3'
Whats wrong with this Program
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

6. **Assign.java**

```
Praktikum PBO_2b4c37e4\bin' 'Assign'
Value of x: 6
Value of y: 1000
Value of z: 3.414
Value of w: 3.1415
Value of truth: true
Value of c: A
Value of str: Hi out there!
Value of str1: bye
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

7. **DefValue.java**

```
Praktikum PBO_2b4c37e4\bin' 'DefValue'
Default boolean: false
Default integer: 0
Default double: 0.0
Default long: 0
Default float: 0.0
Default byte: 0
Default char:
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

8. **PassTest.java**

```
...ShowCodeDetailsInExceptionMessages' '-cp' ...
2b2ed36290873bc4d8a2d50c4\redhat.java\jdt_ws\Praktikum PBO_2
int value is : 11
Date: 22/7/1964
Date: 4/7/1964
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

9. Octal.java

```
Praktikum PBO_2b4c37e4\bin' 'Octal'
Octal six = 6
Octal seven = 7
Octal eight = 8
Octal nine = 9
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

10. CobaUnicode.java

```
ges'  '-cp'  'C:\Users\Lenovo\AppData\Roaming\Code\User\works
Praktikum PBO_2b4c37e4\bin' 'Octal'
Octal six = 6
Octal seven = 7
Octal eight = 8
Octal nine = 9
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

11. PrimitfConversion.java

```
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\wor
Praktikum PBO_2b4c37e4\bin' 'PrimitifConversion'
Nilai d: 10.0
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

12. PrimitifConversion2.java

```
va.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Lenovo\Ap
2b2ed36290873bc4d8a2d50c4\redhat.java\jdt_ws\Praktikum PBO_2b4c37e4\bin' 'P
Nilai = 2
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

13. Primitive.java

```
va.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\L
2b2ed36290873bc4d8a2d50c4\redhat.java\jdt_ws\Praktikum PBO_2b4c37e4
Nilai = 3
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

14. AssignPrimitive.java

```
PS D:\Kuliah\Semester 4\Praktikum PBO>  &  C:\Program Files\Java\jdk-20\bin\java.
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\374e9502b2
Praktikum PBO_2b4c37e4\bin' 'AssignPrimitive'
Hasil = 2
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

15. InDec.java

```
 Nilai sebelum increment-decrement
 a=1: b=9
 Nilai setelah increment-decrement
 a=2: b=8
 PS D:\Kuliah\Semester 4\Praktikum PBO>
```

16. Complement.java

```
PS D:\Kuliah\Semester 4\Praktikum PBO>  & 'C:\Program Files\Java\jdk-20\bin\java
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\374e9502b
Praktikum PBO_2b4c37e4\bin' 'Complement'
Hasil operasi ~ : -8
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

17. TestConversition

```
Praktikum PBO_2b4c37e4\bin' 'TestConversions'

Implicit Widening conversions:
--
byte to short: 126
short to int: 1000
int to long: 55
long to float: 15000.0
float to double: -150.5

Explicit Widening conversions:
--
cast byte to char: ~
cast short to char: ?

Explicit Narrowing conversions:
--
double to float: 150.23425
float to long: -150
long to int: 15000
int to short: 55
short to byte: -24
Value of d: 2.12345
Value of c: J
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

18. Aritmethic Oprator

```
Implicit Widening conversions:
--
byte to short: 126
short to int: 1000
int to long: 55
long to float: 15000.0
float to double: -150.5

Explicit Widening conversions:
--
cast byte to char: ~
cast short to char: ?

Explicit Narrowing conversions:
--
double to float: 150.23425
float to long: -150
long to int: 15000
int to short: 55
short to byte: -24
Value of d: 2.12345
Value of c: ¶
```

19. Shift.java

```
PS D:\Kuliah\Semester 4\Praktikum PBO>  & 'C:\Program Files\Java\jdk-20\bin\java.
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\374e9502b2
Praktikum PBO_2b4c37e4\bin' 'Shift'
x=7
x>>2=1
x<<1=14
x>>>1=3
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

20. Relational.java

```
Implicit Widening conversions:
--
byte to short: 126
short to int: 1000
int to long: 55
long to float: 15000.0
float to double: -150.5

Explicit Widening conversions:
--
cast byte to char: ~
cast short to char: ?

Explicit Narrowing conversions:
--
double to float: 150.23425
float to long: -150
long to int: 15000
int to short: 55
```

21. Equality.java

```
    x cannot be resolved to a variable
    f0 cannot be resolved to a variable
    arr1 cannot be resolved to a variable
    arr2 cannot be resolved to a variable
    arr1 cannot be resolved to a variable
    arr3 cannot be resolved to a variable
    arr1 cannot be resolved to a variable
    arr2 cannot be resolved to a variable
    arr1 cannot be resolved to a variable
    arr3 cannot be resolved to a variable
    s1 cannot be resolved to a variable
    s2 cannot be resolved to a variable
    s1 cannot be resolved to a variable
    s3 cannot be resolved to a variable
    s1 cannot be resolved to a variable
    s4 cannot be resolved to a variable

    at Equality.main(Equality.java:7)
S D:\Kuliah\Semester 4\Praktikum PBO>
```

22. Bitwise.java

```
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\374
Praktikum PBO_2b4c37e4\bin' 'Bitwise'
x= 5
y= 6
x & y= 4
x | y= 7
x ^ y= 3
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

23. TestLogical.java

```
Logical Operators:
==================
true & true: true
true & false: false
true | false: true
true ^ true: false
!true: false
false & true: false
false | true: true
false ^ true: true
!false: true
true && true: true
false && true: false
false && false: false
true || true: true
false || true: true
false || false: false
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

24. Conditional.java

```
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\374e9502b2ed36290873b
Praktikum PBO_2b4c37e4\bin' 'Conditional'
x = 5
x = 7
PS D:\Kuliah\Semester 4\Praktikum PBO>
```

25. ConditionalOp.java

```
PS D:\Kuliah\Semester 4\Praktikum PBO>  & 'C:\Program Files\Java\jdk-20\b
ges' '-cp' 'C:\Users\Lenovo\AppData\Roaming\Code\User\workspaceStorage\37
Praktikum PBO_2b4c37e4\bin' 'ConditionalOp'
Anda lulus? false
PS D:\Kuliah\Semester 4\Praktikum PBO>
```