TUGAS PERTEMUAN 2

PRAKTIKUM PEMROGRAMAN BERORIENTASI OBJEK

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Kelas – G

1. **Class Hallo**

```
Hallo...
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

2. **Class TestGreeting**

```
hi
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

3. **Class Test1**

```
What's wrong with this program?
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

4. **Class Test2**

```
What's wrong with this program?
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

5. **Class Test3**

```
What's wrong with this program?
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

6. **Class Assign**

   Tidak menghasilkan output.

7. **Class 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:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

8. **Class PassTest**

```
Int value is: 11
22/7/1964
4/7/1964
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

9. **Class Octal**

```
Octal six = 6
Octal seven = 7
Octal eight = 8
Octal nine = 9
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

10. **Class CobaUnicode**

```
a: a
b: b
c: c
kata: abc
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

11. **Class PrimitifConversionAssignment**

```
Nilai d: 10.0
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

12. **Class PrimitifConversionAssignment2**

```
Nilai d: 1
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

13. **Class Primitive**

```
Hasil = 3
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

14. **Class AssignPrimitive**

```
Hasil = 2
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

15. **Class IncDec**

```
Nilai sebelum increment-decrement
a = 1; b = 9
Nilai setelah increment-decrement
a = 2; b = 8
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

16. Class Complement

```
Hasil operasi~:-8
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

17. Class TestConversions

```
 Implicit Widening conversions:
 ------------------------------
   byte to short:          -> 126
    short to int:          -> 126
     int to long:          -> 126
   long to float:          -> 126.0
 float to double:          -> 126.0

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

 Explicit Narrowing conversions:
 ------------------------------
 double to float:          -> 126.0
   float to long:          -> 126
     long to int:          -> 126
    int to short:          -> 126
   short to byte:          -> 126
 PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

18. Class ArithmeticOperator

```
Integer Division - results truncated:
-----------------
        10 / 3          = 3
        10 / -3         = -3
       -10 / 3          = -3

Floating-point Division by 0:
-----------------
        10.34 / 0       = Infinity
        -10.34 / 0      = -Infinity
        10.34 / -0      = Infinity
        0.0 / 0         = NaN
        0.0 / -0        - NaN

Modulo operations:
-----------------
        5 % 3   = 8
        -5 % 3          = -2
        5 % -3          = 2
        5.0 % 3         = 2.0
        5.0 % -3        = 2.0
        -5.0 % 3        = -2.0
        5.0 % 0         = NaN
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

19. Class Shift

```
x=7
x>>2=1
x<<1=14
x>>>1=3
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

20. Class Relational

```
Relational Operators:
---------------------------

                Less than: 5 < 6              true
            Less than or equal to: 5 <= 5             true
                Greater than 5 > 6            false
            Greater than or equal to: 5 >= 5          true

                Less than: -0.0 < 0.0                 false
            Less than or equal to: -0.0 <= 0.0                true
                Greater than: 5 > NaN                 false
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

21. Class Equality

```
Equality operators:
        Not Equal: 5 != 5.0             false
        [different array objects]
        [ref to same array object]
        Not Equal: arr1 != arr2         true
        Not Equal: arr1 != arr3         false
        [same literal]
        [same object reference]
        [new object]

Equals:
        Equals: 5 == 5.0                true
        Equals: arr1 == arr2    false
        Equals: arr1 == arr3    true
        Equals: s1 == s2                true
        Equals: s1 == s3                true
        Equals: s1 == s4                false
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

22. Class Bitwise

```
x = 5
y = 6
x & y = 4
x | y = 7
x ^ y = 3
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

23. Class TestLogical

```
Logical Operators:
------------------

        true && true =          true
        true && false =         false
        false && false =        false
        true || true =          true
        false || false =        false
        true ^ false =          true
        true ^ true =  false
        true | false =          true

        false || true =         true
        true && false =         false
        true || true =          true
        false || false =        false
        false && true =         false
        true && true =          true
        false ^ false =         false
        true ^ false =          true
        false ^ true =          true
        true | false =          true
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

24. Class Conditional

```
x = 0
x = 7
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```

25. Class ConditionalOp

```
Anda lulus? false
PS D:\Dea\0. KULIAH\Semester 4\Prak. PBO>
```