PRAK. PEMROGRAMAN BERORIENTASI OBJEK

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Source code : https://github.com/raihanaidiyasa/prakpbo1

1. Class Hello

```
Hallo...
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

2. Class TestGreeting

```
hi
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

3. Class Test1

```
What's wrong with this program?
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

4. Class Test2

```
Whats's wrong with this program?
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

5. Class Test3

```
What's wrong with this program?
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

6. Class Assign

   Tidak ada output

7. Class DefValue

```
Default boolean : false
Default integer : 0
Default double : 0.0
Default long : 0
Default char :
Default float : 0.0
Default byte : 0
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

8. Class PassTest

```
Int value is : 11
Date: 22/7/1964
Date: 4/7/1964
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

9. Class Octal

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

10. Class CobaUnicode

```
a: a
b: b
c: c
kata: abc
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

11. Class PrimitiveConversionAssignment

```
Nilai d: 10.0
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

12. Class PrimitiveConversionAssignment2

```
Nilai d: 1
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

13. Class Primitive

```
Hasil = 3
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

14. Class AssignPrimitive

```
Hasil = 2.32323
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

15. Class IncDec

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

16. Class Complement

```
Hasil operasi~:-8
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

17. Class TestConversions

```
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:\Kuliah\Semester 4\Prak. PBO\Code>
```

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:\Kuliah\Semester 4\Prak. PBO\Code>
```

19. Class Shift

```
x=7
x>>2=1
x<<1=14
x>>>1=3
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

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:\Kuliah\Semester 4\Prak. PBO\Code>
```

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:\Kuliah\Semester 4\Prak. PBO\Code>
```

22. Class Bitwise

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

23. Class TestLogical

```
          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:\Kuliah\Semester 4\Prak. PBO\Code>
```

24. Class Condtional

```
x=  0
x= 7
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```

25. Class ConditionalOp

```
Anda lulus? false
PS D:\Kuliah\Semester 4\Prak. PBO\Code>
```