## Fakultas Ilmu Komputer, Universitas Indonesia Dasar-Dasar Pemrograman 2 Worksheet 01 - 2023

1.	Basic	Java	program	n dev	relo	pment	proc	ess	consis	sts	of	three	main	act	civities:	
	(1)		(	2)			(3)									
	which	which are repeated as many times as needed.														
	These IDEA.	acti	vities	can	be	made	easy	bу	using	an			such	as	IntelliJ	

- 2. ..... is an unambiguous, executable, and terminating specification of a way to solve a problem.
- 3. ...... is the software that controls all computer machine activities, provides the user interface to the computer, and manages resources such as the CPU and memory.
- 4. Find the output of this program.

```
public class Problem4 {
  public static void main( String[] arguments ) {
    int a = 6, b = -25, k = 0;
    char c = 68;
    System.out.println( a % b ); //print ......

    System.out.println( b % a ); //print ......

    System.out.println( (a>b) || (k++ <= 0) ); //print ......

    System.out.println( (a == b) && (++k > 1) ); //print ......

    System.out.println( "\u0063" + c + k); //print .......
}
```

5. Write a **while** statement for printing integers from 1 up to 9999999 which are multiples of 3 or 5, such as 3, 5, 6, 9, 10, 12, 15, etc.

Then write an equivalent for statement and do-while statement.

## Answer:

- 6. A literal is a constant value which can be assigned to a variable of certain type. Which of the following is **not** a literal?
  - (A) class (B) 25 (C) true (D) 7.8
- 7. Find the output of this program.

## Answer:

- 8. a) Write a switch statement, <u>using break</u>, that displays Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, if day is 0, 1, 2, 3, 4, 5, 6, respectively.
  - b) Write a switch statement, without break, that displays Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, if day is 0, 1, 2, 3, 4, 5, 6, respectively.
- 9. Draw a memory diagram for the assignments: int abc = 123; int def = abc;

