Please read the question carefully and choose the correct option!

- 1. The following are keywords found in Java, except..
 - a. Goto
 - b. Break
 - c. If
 - d. String
- 2. A method that can be executed automatically when an object of a class is created is known as...
 - a. Constructor
 - b. Initializer
 - c. Garbage Collector
 - d. Inheritance
- 3. The term to protect data from attempts to modify, destroy and duplicate data by unauthorized parties is.. a. Inheritance
 - b. Polymorphisme
 - c. Constructor
 - d. Encapsulation
- 4. The java syntax for compiling program files is
 - a. Java
 - b. Javac
 - c. Javaclass
 - d. Javax
- 5. Class B inherits from Class A, what cannot be said:
 - a. B is a sub-class of A
 - b. A is a super-class of B
 - c. B has access to private members of A
 - d. B has access to protected members of A
- 6. The following are primitive data types:
 - a. Boolean
 b. Character
 Menurut saya ini semua bukan tipe data primitf, karena seharusnya tipe data primitifnya itu boolean,
 - c. Byte char, byte, dobule
 - d. Double
- 7. The keyword used to make the value fixed and immutable is...
 - a. Protected
 - b. Private
 - c. Public
 - d. Final

8.	The method used to convert all letters in a string to uppercase / capital is a. UpperCase() b. toUperCase() c. toUpperCase() d. isUpperCase()								
9.	a. b.	char[] ch = new char()							
10.	cor a. b. c. d.	npareTo() returns true false an int value none							
11.		at is the return value if a=7 and b=3? tic int function(int a, int b) { int c = a++ - b; int d =							
	b. c. d.	1 2 3							
12.	What is the result value at the end of execution? int inp[] = new int[] {5, 4, 6, 7, 3, 6}; int result = 0; try { for (int i = 1; i <= inp.length; i++) { result += inp[i]; }								
	a. b. c. d.	} catch (Exception exception) { } 25 26 Runtime error Compile error							

```
13. There is something wrong with the code. How to fix it?
   public class Test6 { public String var = "
            world"; public static void main(String
            args[]) {
                    System.out.println("Hello" + var);
            }
   }
        System.out.println("Hello" + Test6.var);
   a.
   b. System.out.println("Hello" + this.var);
        public static String var = " world";
   C.
        public final String var = " world";
14. What is the output of the function if n=6?
   static int myFunc(int n) {
            if (n == 0) { return
            0;
            } else if (n == 1) {
                    return 1;
            } else if (n > 1) {
                    return myFunc(n-1) + myFunc(n-2);
            } else { return -1;
            }
    }
   a. 5
   b. 6
   c. 8
   d. -1
   15. What is the value of d? String a = "KLMN";
   String b = " AB CDEFGHIJ ";
   String c = b.trim().substring(3, 7);
   String d = c.concat(a);
   a. CDEKLMN
   b. DEFGHIJKLMN
   c. CDEFKLMN
   d. DEFGKLMN
```

Please create a guery to answer questions number 16 – 19 based on the table below:

nik	nama	alamat	kota	provinsi	pulau	total_pembelian_2017	total_pembelian_2018	point	tgl_regis
3276001	Ahmad	Jl. Telaga No 3	Bandar Lampung	Lampung	Sumatra	984.000,00	430.000,00	7070	14-Nov-17
3276002	Saiful Ahmad	Jl. Cendrawasih	Batam	Kepulauan Riau	Batam	265.000,00	684.000,00	4745	12-Apr-17
3276003	Lina	Jl. Mawar	Makassar	Sulawesi Selatan	Sulawesi	902.000,00	883.000,00	8925	22-Sep-17
3276004	Erni	Jl. Cut Nyak Dien	Pontianak	Kalimantan Barat	Kalimantan	384.000,00	377.000,00	3805	30-Oct-16
3276005	Anto	Jl. Kamboja	Jakarta Barat	DKI Jakarta	Jawa	561.000,00	293.000,00	4270	20-Apr-17
3276007	Maya	Jl. Anoa	Batam	Kepulauan Riau	Batam	679.000,00	746.000,00	7125	9-Aug-16
3276008	Hadi	Jl. Hiu	Jakarta Barat	DKI Jakarta	Jawa	239.000,00	987.000,00	6130	8-Apr-16

- 16. Sort customer data based on the highest point to the lowest point
- 17. Show all data with customer names containing the word Ahmad
- 18. Show for the NIK and Name of the Customer who made the 3rd most total purchases in the last 2 years
- 19. Show total customer purchases outside Java throughout 2017
- 20. Show all data with NIK, NAMA, ALAMAT, and TOTAL MARGIN. The rule for TOTAL MARGIN is if the difference between total pembelian 2017 and total_pembelian_2018 is a surplus, then display 'Profit' otherwise, display 'Defisit'
- 21. Show all data with NIK, NAMA, and ALAMAT LENGKAP. The rule for ALAMAT LENGKAP is as follows: 'alamat, Kota, Provinsi - Pulau'. Also, sort by newest TGL REGIS

```
(ibarat datanya ada di table konsumen)
```

- 16. SELECT * FROM konsumen ORDER BY point DESC
- 17. SELECT * FROM konsumen WHERE nama LIKE '%ahmad%'
- 18. SELECT nama, nik FROM konsumen

GROUP BY nik, nama

ORDER BY SUM(total pembelian 2017 + total pembelian 2018) DESC LIMIT 1 OFFSET 2

19. SELECT SUM(total pembelian 2017) FROM konsumen WHERE pulau NOT LIKE 'Jawa'

20. SELECT nik, nama, alamat,

CASE

WHEN total_pembelian_2017 - total_pembelian_2018 >= 0 THEN 'Laba'

ELSE 'Defisit'

END AS TOTAL MARGIN

FROM konsumen

21. SELECT nik, nama, CONCAT(alamat, ', ', kota, ', ', provinsi, ' - ', pulau)

AS ALAMAT LENGKAP

FROM konsumen

ORDER BY tgl_regis DESC