1. What will be printed by the following program statement?

System.out.println(matrix[0].length);

(A) The number of rows in a two-dimensional "square" static array.

(B) The number of columns in a two-dimensional "non-ragged" array.

(C) The number of columns in the top row of a two-dimensional static array.

(D) The number of columns in the row with index[0] of a two-dimensional array. \*\* (E) All of the above

1. 20. What is the output of this program?
2. class Main
3. {
4. public static void main (String[] args)
5. {
6. int arr1[] = {1, 2, 3};
7. int arr2[] = {1, 2, 3};
8. if (arr1.equals(arr2))
9. System.out.println("Same");
10. else
11. System.out.println("Not same");
12. }
13. }

A. Same  
B. Not Same  
C. Compiler error  
D. None of the above

SELECT name, COUNT(b.id)

FROM building\_type bt

INNER JOIN building b

ON bt.id = b.building\_type\_id

GROUP BY name

HAVING COUNT(b.id) IN

(SELECT MAX(COUNT(building.id))

FROM building

GROUP BY building\_type\_id)

ORDER BY name;

Complex joins q8

SELECT meter\_number, owner\_name, address

FROM

(SELECT meter\_number, owner\_name, address, COUNT(fine\_amount) "fine\_times"

FROM building b

INNER JOIN meter m

ON b.id = m.building\_id

INNER JOIN bill bi

ON m.id = bi.meter\_id

WHERE fine\_amount IS NOT NULL

GROUP BY owner\_name, meter\_number, address

ORDER BY fine\_times DESC LIMIT 1)x

ORDER BY owner\_name;

SELECT person\_name, contact\_number, balance

FROM travel\_card tc

INNER JOIN

(SELECT travel\_card\_id, COUNT(\*) "travel\_times"

FROM travel\_payment tp

GROUP BY travel\_card\_id

HAVING travel\_times =

(

SELECT COUNT(\*) "travel\_count"

FROM travel\_payment

GROUP BY travel\_card\_id

ORDER BY travel\_count DESC LIMIT 1

)

)x

ON tc.id = x.travel\_card\_id

ORDER BY person\_name DESC;

SELECT meter\_number, owner\_name, address

FROM building b

INNER JOIN meter m

ON b.id = m.building\_id

WHERE m.id IN

(SELECT meter\_id

FROM bill

GROUP BY meter\_id

HAVING COUNT(fine\_amount) =

(SELECT COUNT(fine\_amount) "fine\_times"

FROM bill bi

GROUP BY meter\_id

ORDER BY fine\_times DESC LIMIT 1)

)

ORDER BY b.owner\_name;