Instituto Federal de Educação, Ciência e Cultura da Bahia
Curso Superior de Tecnologia em Análise de Sistemas (A)
Disciplina: Banco de Dados I
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EXERCÍCIOS – COMPREENSÃO DE FUNCIONAMENTO DE CONSULTAS

1) Considere as tabelas A e B e a consulta SQL abaixo:

A	
CODIGO	**VALOR**
1	2
2	3
4	4
5	5

B	
CODIGO	**VALOR**
1	1
1	2
2	3
2	4
3	5

A)
```
SELECT AVG (B.VALOR)
FROM A INNER JOIN B
ON (A.VALOR = B.CODIGO)
```

B)
```
SELECT SUM (A.VALOR)
FROM A
WHERE A.CODIGO IN
  (SELECT B.CODIGO FROM B)
 OR  EXISTS
  (SELECT * FROM B
     WHERE B.VALOR = A.VALOR)
```

C)
```
SELECT SUM (B.VALOR)
FROM B LEFT JOIN
(SELECT A.CODIGO
FROM A
WHERE A.VALOR =
 (SELECT DISTINCT B.CODIGO*2
  FROM B
  WHERE A.CODIGO = B.CODIGO)) AS TABELA
ON (B.CODIGO = TABELA.CODIGO)
WHERE TABELA.CODIGO IS NULL
```

2) Considere a tabela A e a consulta SQL abaixo:

HAVE	VALOR
1	1
1	2
1	3
2	2
2	4
3	6
3	3

A)

```
SELECT A.CHAVE
FROM A, (SELECT AVG (VALOR) AS VALOR2 FROM A) AS TAB
WHERE A.VALOR = TAB.VALOR2
GROUP BY CHAVE
ORDER BY CHAVE
```

B)

```
SELECT SUM (DISTINCT B.CHAVE)+ SUM(DISTINCT C.VALOR)
FROM A AS B INNER JOIN A AS C
    ON (C.VALOR = B.CHAVE*3)
```

3) Considere a tabela W e a consulta SQL abaixo:

W

VALOR	DADO
1	3
2	4
5	6
4	5

```
SELECT MAX (W.VALOR)
   FROM W LEFT JOIN W AS Z
     ON (W.VALOR = Z.DADO)
  WHERE Z.DADO IS NULL;
```