Exercise about Joins

Suppose we have two tables with content as follows:

```
select * from One
+----+
| a | b |
+----+
| 1 | 2 |
| 6 | 12 |
| NULL | 100 |
| 20 | NULL |
+----+
```

```
select * from Two;
+----+
| b | c |
+----+
| 2 | 3 |
| 100 | 101 |
| 20 | 21 |
| 2 | 4 |
| 2 | 5 |
+----+
```

For the following results, which one comes from natural join?
 Which one comes from inner join? Why?

```
+----+
| b | a | c |
+----+
| 2 | 1 | 3 |
| 100 | NULL | 101 |
| 2 | 1 | 4 |
| 2 | 1 | 5 |
+----+
```

• What query could produce this result?

```
+----+
| b | c | a |
+----+
| 2 | 3 | 1 |
| 2 | 4 | 1 |
| 2 | 5 | 1 |
| 100 | 101 | NULL |
```

```
| 20 | 21 | NULL |
+----+
```

• What query could produce this result?

```
+----+
| b | a | c |
+----+
| 2 | 1 | 3 |
| 100 | NULL | 101 |
| 2 | 1 | 4 |
| 2 | 1 | 5 |
| 12 | 6 | NULL |
| NULL | 20 | NULL |
+----+
```

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+		+		+ -		+ -		+
-	а		b		b		С	
+		+		+		+-		+
ı	1		2		2		3	
1	1		2		2		4	
I	1	I	2	I	2	I	5	
- 1	NULL		100		100		101	
-	NULL		NULL		20		21	
+		+		+		+-		+