

Largest number of transactions

Find the ID for the salesman who makes largest number of transactions.

1. Table to copy

```
CREATE TABLE sales (  
TRANSACTION_ID INTEGER(5) NOT NULL,  
SALESMAN_ID    INTEGER(4) NOT NULL,  
SALE_AMOUNT    decimal(8,2),  
PRIMARY KEY (TRANSACTION_ID)  
);  
INSERT INTO sales  
VALUES(501,18,5200.00),(502,50,5566.00),(503,38,8400.00),(504,43,8400.00),(505,11,  
9000.00);  
INSERT INTO sales VALUES  
(506,42,5900.00),(507,13,7000.00),(508,33,6000.00),(509,41,8200.00),(510,11,4500.0  
0);  
INSERT INTO sales VALUES  
(511,51,10000.00),(512,29,9500.00),(513,59,6500.00),(514,38,7800.00),(515,58,9800.  
00);  
INSERT INTO sales VALUES  
(516,60,12000.00),(517,58,13900.00),(518,23,12200.00),(519,34,5480.00),(520,35,812  
9.00);  
INSERT INTO sales VALUES  
(521,49,9323.00),(522,46,8200.00),(523,47,9990.00),(524,42,14000.00),(525,44,7890.  
00);  
INSERT INTO sales VALUES  
(526,47,5990.00),(527,21,7770.00),(528,57,6645.00),(529,56,5125.00),(530,25,10990.  
00);  
INSERT INTO sales VALUES  
(531,21,12600.00),(532,41,5514.00),(533,17,15600.00),(534,44,15000.00),(535,12,175  
50.00);  
INSERT INTO sales VALUES  
(536,55,13000.00),(537,58,16800.00),(538,25,19900.00),(539,57,9990.00),(540,28,890  
0.00);  
INSERT INTO sales VALUES  
(541,44,10200.00),(542,57,18000.00),(543,34,16200.00),(544,36,19998.00),(545,30,13  
500.00);  
INSERT INTO sales VALUES  
(546,37,15520.00),(547,36,20000.00),(548,20,19800.00),(549,22,18530.00),(550,19,12  
523.00);  
INSERT INTO sales VALUES  
(551,46,9885.00),(552,22,7100.00),(553,54,17500.00),(554,19,19600.00),(555,24,1750  
0.00);  
INSERT INTO sales VALUES  
(556,38,7926.00),(557,49,7548.00),(558,15,9778.00),(559,56,19330.00),(560,24,14400  
.00);
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INSERT INTO sales VALUES
(561,18,16700.00),(562,54,6420.00),(563,31,18720.00),(564,21,17220.00),(565,48,18880.00);
INSERT INTO sales VALUES
(566,33,8882.00),(567,44,19550.00),(568,22,14440.00),(569,53,19500.00),(570,30,5300.00);
INSERT INTO sales VALUES
(571,30,10823.00),(572,35,13300.00),(573,35,19100.00),(574,18,17525.00),(575,60,8995.00);
INSERT INTO sales VALUES
(576,53,9990.00),(577,21,7660.00),(578,27,18990.00),(579,11,18200.00),(580,30,12338.00);
INSERT INTO sales VALUES
(581,37,11000.00),(582,27,11980.00),(583,18,12628.00),(584,52,11265.00),(585,53,19990.00);
INSERT INTO sales VALUES
(586,27,8125.00),(587,25,7128.00),(588,57,6760.00),(589,19,5985.00),(590,52,17641.00);
INSERT INTO sales VALUES
(591,53,11225.00),(592,22,12200.00),(593,59,16520.00),(594,35,19990.00),(595,42,19741.00);
INSERT INTO sales VALUES
(596,19,15000.00),(597,57,19625.00),(598,53,9825.00),(599,24,16745.00),(600,12,14900.00);

```

2. Counting and ordering by SALESMAN_ID

```

SELECT
    SALESMAN_ID, COUNT(SALESMAN_ID) AS amouth
FROM
    sales
GROUP BY SALESMAN_ID
ORDER BY amouth DESC;

```

	SALESMAN_ID	amouth
►	57	5
	53	5
	18	4
	35	4
	22	4
	30	4
	21	4
	44	4

3. Retrieve the maximum sales amount from a query and subsequently use it in the following query to identify all salesmen associated with that maximum sales amount.

```
with t as (SELECT
    SALESMAN_ID,COUNT(SALESMAN_ID) AS amouth
FROM
    sales
GROUP BY SALESMAN_ID
ORDER BY amouth DESC)

select * from t where amouth = (select max(amouth) from t);
```

Final resoult

	SALESMAN_ID	amouth
▶	57	5
	53	5