In this activity we will be sorting data from a table. Before starting the activity, run following queries to create the table:

-- Create a table named orders

create table orders(

order\_no int primary key, purchase\_amount float, order\_date date,

customer\_id int, salesman\_id int);

-- Add values to the table

INSERT ALL

INTO orders VALUES(70001, 150.5, TO\_DATE('2012/10/05', 'YYYY/MM/DD'), 3005, 5002)

INTO orders VALUES(70009, 270.65, TO\_DATE('2012/09/10', 'YYYY/MM/DD'), 3001, 5005)

INTO orders VALUES(70002, 65.26, TO\_DATE('2012/10/05', 'YYYY/MM/DD'), 3002, 5001)

INTO orders VALUES(70004, 110.5, TO\_DATE('2012/08/17', 'YYYY/MM/DD'), 3009, 5003)

INTO orders VALUES(70007, 948.5, TO\_DATE('2012/09/10', 'YYYY/MM/DD'), 3005, 5002)

INTO orders VALUES(70005, 2400.6, TO\_DATE('2012/07/27', 'YYYY/MM/DD'), 3007, 5001)

INTO orders VALUES(70008, 5760, TO\_DATE('2012/08/15', 'YYYY/MM/DD'), 3002, 5001)

INTO orders VALUES(70010, 1983.43, TO\_DATE('2012/10/10', 'YYYY/MM/DD'), 3004, 5006)

INTO orders VALUES(70003, 2480.4, TO\_DATE('2012/10/10', 'YYYY/MM/DD'), 3009, 5003)

INTO orders VALUES(70012, 250.45, TO\_DATE('2012/06/27', 'YYYY/MM/DD'), 3008, 5002)

INTO orders VALUES(70011, 75.29, TO\_DATE('2012/08/17', 'YYYY/MM/DD'), 3003, 5007)

INTO orders VALUES(70013, 3045.6, TO\_DATE('2012/04/25', 'YYYY/MM/DD'), 3002, 5001)

SELECT 1 FROM DUAL;

**ACTIVITY 6**

Once the table has been successfully created, write queries to output the following:

* Get all salesman ids without any repeated values
* Display the order number ordered by date in ascending order
* Display the order number ordered by purchase amount in descending order
* Display the full data of orders that have purchase amount less than 500.
* Display the full data of orders that have purchase amount between 1000 and 2000.

-- Get all salesman ids without any repeated values

select distinct salesman\_id from orders;

o/p

|  |
| --- |
| **SALESMAN\_ID** |
| 5001 |
| 5003 |
| 5006 |
| 5007 |
| 5005 |
| 5002 |

[Download CSV](https://livesql.oracle.com/apex/f?p=590:43:3915037440443::NO:RP:P43_ID:278590124058875075151809537202646040252&success_msg=TmV3IFNjcmlwdCAmcXVvdDtBY3Rpdml0eTIsMyw0LDUsNiZxdW90OyBzYXZlZCB3.,aXRoIDI3IHN0YXRlbWVudHM~%2F-Txk9TF4zlp6fkuxB3O2QF1SwqC5ryTE2fR4G5gZmUnF2k-QSc7OSoFZWfloYanobMvtwDbWu9NvFtg4hRBASw)  
6 rows selected.

-- Display the order number ordered by date in ascending order

select order\_no, order\_date from orders order by order\_date;

o/p

|  |  |
| --- | --- |
| **RDER\_NO** | **ORDER\_DATE** |
| 70013 | 25-APR-12 |
| 70012 | 27-JUN-12 |
| 70005 | 27-JUL-12 |
| 70008 | 15-AUG-12 |
| 70011 | 17-AUG-12 |
| 70004 | 17-AUG-12 |
| 70007 | 10-SEP-12 |
| 70009 | 10-SEP-12 |
| 70002 | 05-OCT-12 |
| 70001 | 05-OCT-12 |
| 70003 | 10-OCT-12 |
| 70010 | 10-OCT-12 |

[Download CSV](https://livesql.oracle.com/apex/f?p=590:43:3915037440443::NO:RP:P43_ID:278590124058875075151809537202646040252&success_msg=TmV3IFNjcmlwdCAmcXVvdDtBY3Rpdml0eTIsMyw0LDUsNiZxdW90OyBzYXZlZCB3.,aXRoIDI3IHN0YXRlbWVudHM~%2F-Txk9TF4zlp6fkuxB3O2QF1SwqC5ryTE2fR4G5gZmUnF2k-QSc7OSoFZWfloYanobMvtwDbWu9NvFtg4hRBASw)  
12 rows selected.

-- Display the order number ordered by purchase amount in descending order

select order\_no, purchase\_amount from orders order by purchase\_amount DESC;

o/p

|  |  |
| --- | --- |
| **ORDER\_NO** | **PURCHASE\_AMOUNT** |
| 70008 | 5760 |
| 70013 | 3045.6 |
| 70003 | 2480.4 |
| 70005 | 2400.6 |
| 70010 | 1983.43 |
| 70007 | 948.5 |
| 70009 | 270.65 |
| 70012 | 250.45 |
| 70001 | 150.5 |
| 70004 | 110.5 |
| 70011 | 75.29 |
| 70002 | 65.26 |

[Download CSV](https://livesql.oracle.com/apex/f?p=590:43:3915037440443::NO:RP:P43_ID:278590124058875075151809537202646040252&success_msg=TmV3IFNjcmlwdCAmcXVvdDtBY3Rpdml0eTIsMyw0LDUsNiZxdW90OyBzYXZlZCB3.,aXRoIDI3IHN0YXRlbWVudHM~%2F-Txk9TF4zlp6fkuxB3O2QF1SwqC5ryTE2fR4G5gZmUnF2k-QSc7OSoFZWfloYanobMvtwDbWu9NvFtg4hRBASw)  
12 rows selected.

-- Display the full data of orders that have purchase amount less than 500.

select \* from orders where purchase\_amount < 500;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ORDER\_NO** | **PURCHASE\_AMOUNT** | **ORDER\_DATE** | **CUSTOMER\_ID** | **SALESMAN\_ID** |
| 70001 | 150.5 | 05-OCT-12 | 3005 | 5002 |
| 70009 | 270.65 | 10-SEP-12 | 3001 | 5005 |
| 70002 | 65.26 | 05-OCT-12 | 3002 | 5001 |
| 70004 | 110.5 | 17-AUG-12 | 3009 | 5003 |
| 70012 | 250.45 | 27-JUN-12 | 3008 | 5002 |
| 70011 | 75.29 | 17-AUG-12 | 3003 | 5007 |

[Download CSV](https://livesql.oracle.com/apex/f?p=590:43:3915037440443::NO:RP:P43_ID:278590124058875075151809537202646040252&success_msg=TmV3IFNjcmlwdCAmcXVvdDtBY3Rpdml0eTIsMyw0LDUsNiZxdW90OyBzYXZlZCB3.,aXRoIDI3IHN0YXRlbWVudHM~%2F-Txk9TF4zlp6fkuxB3O2QF1SwqC5ryTE2fR4G5gZmUnF2k-QSc7OSoFZWfloYanobMvtwDbWu9NvFtg4hRBASw)  
6 rows selected.

-- Display the full data of orders that have purchase amount between 1000 and 2000.

select \* from orders where purchase\_amount between 1000 and 2000;

o/p

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **RDER\_NO** | **PURCHASE\_AMOUNT** | **ORDER\_DATE** | **CUSTOMER\_ID** | **SALESMAN\_ID** |
| 70010 | 1983.43 | 10-OCT-12 | 3004 | 5006 |