==========

1

Worksheet | Query Builder

```
--1.*Write a query which will display the customer id, account type they hold, their account number and bank name.

SELECT
    a.customer_id,
    b.account_type,
    b.account_no,
    c.bank_name
FROM
    account_info b,
    customer_personal_info a,
    bank_info c
WHERE
    a.customer_id = b.customer_id
    AND c.ifsc_code = b.ifsc_code;

--2.*Write a query which will display the customer id, account type and the account number of HDFC customers who registered after 12-JAN-2012 and before 04-APR-2012.
```

Script Output | Query Result

SQL | All Rows Fetched: 5 in 0.002 seconds

	CUSTOMER_ID	ACCOUNT_TYPE	ACCOUNT_NO	BANK_NAME
1	C-004	SALARY	1234567898765435	HDFC
2	C-001	SAVINGS	1234567898765432	HDFC
3	C-002	SALARY	1234567898765433	SBI
4	C-003	SAVINGS	1234567898765434	ICICI
5	C-005	SAVINGS	1234567898765436	SBI

==========

2

Worksheet | Query Builder

```
--2.*Write a query which will display the customer id, account type and the account number of HDFC customers who registered after 12-JAN-2012 and before 04-APR-2012.

SELECT
    f.customer_id,
    g.account_type,
    g.account_no
FROM
    account_info g,
    customer_personal_info f,
    bank_info h
WHERE
    f.customer_id = g.customer_id
    AND h.ifsc_code = g.ifsc_code
--  AND g.registration_date BETWEEN('2012-01-12','2012-04-04')
    AND (g.registration_date >='2012-01-12' AND g.registration_date <= '2012-04-04')
    AND h.bank_name='HDFC';
```

Script Output | Query Result

SQL | All Rows Fetched: 1 in 0.002 seconds

	CUSTOMER_ID	ACCOUNT_TYPE	ACCOUNT_NO
1	C-001	SAVINGS	1234567898765432

==========

```sql
--3.	Write a query which will display the customer id, customer name, account no, account type and bank name where the customers hold the accoun

SELECT
    i.customer_id,
    i.customer_name,
    j.account_no,
    j.account_type,
    k.ifsc_code
FROM
    account_info j,
    customer_personal_info i,
    bank_info k
WHERE
    i.customer_id = j.customer_id
    AND k.ifsc_code = j.ifsc_code;

--4.	Write a query which will display the customer id, customer name, gender, marital status along with the unique reference string and
```

Script Output × Query Result ×

SQL | All Rows Fetched: 5 in 0.005 seconds

	CUSTOMER_ID	CUSTOMER_NAME	ACCOUNT_NO	ACCOUNT_TYPE	IFSC_CODE
1	C-001	JOHN	1234567898765432	SAVINGS	HDVL0012
2	C-002	JAMES	1234567898765433	SALARY	SBITN0123
3	C-003	SUNITHA	1234567898765434	SAVINGS	ICITN0232
4	C-004	RAMESH	1234567898765435	SALARY	HDVL0012
5	C-005	KUMAR	1234567898765436	SAVINGS	SBISD0113

=====

4

```
--4.*Write a query which will display the customer id, customer name, gender, marital status along with the unique reference string and
-- sort the records based on customer id in descending order. <br/>
--<br/><b>Hint:  </b>Generate unique reference string as mentioned below
--:
--<br/> CustomerName_Gender_MaritalStatus
--<br/><b> Example, </b>
--<br/> C-005          KUMAR             M                SINGLE           KUMAR_M_SINGLE
--<BR/>
--Use ""UNIQUE_REF_STRING"" as alias name for displaying the unique reference string."

SELECT
    customer_id|| ' ' ||    customer_name|| ' ' ||    gender|| ' ' ||    marital_status UNIQUE_REF_STRING
FROM
    customer_personal_info
ORDER BY customer_id DESC;
```

====

5

```
--5.*Write a query which will display the account number, customer id, registration date, initial deposit amount of the customer
-- whose initial deposit amount is within the range of Rs.15000 to Rs.25000.

SELECT
    b.account_no,
    b.registration_date,
    b.initial_deposit,
    a.customer_id
FROM
    account_info b,
    customer_personal_info a
WHERE
    a.customer_id = b.customer_id AND b.initial_deposit BETWEEN 15000 AND 25000 ;

--6.*Write a query which will display customer id, customer name, date of birth, guardian name of the customers whose name starts with 'J'.
--
--7.*Write a query which will display customer id, account number and passcode.
--<br/>
```

Query Result

SQL | All Rows Fetched: 2 in 0.003 seconds

	ACCOUNT_NO	REGISTRATION_DATE	INITIAL_DEPOSIT	CUSTOMER_ID
1	1234567898765434	15-MAR-12	16000	C-003
2	1234567898765436	12-APR-12	20000	C-005

==========

```sql
--6.*Write a query which will display customer id, customer name, date of birth, guardian name of the customers whose name starts with 'J'.

SELECT
    customer_personal_info.customer_id,
    customer_personal_info.customer_name,
    customer_personal_info.date_of_birth,
    customer_personal_info.guardian_name
FROM
    customer_personal_info
WHERE
    customer_personal_info.customer_name LIKE 'J%';

--7.*Write a query which will display customer id, account number and passcode.
--<br/>
--Hint:  To generate passcode, join the last three digits of customer id and last four digit of account number.
```

Query Result

SQL | All Rows Fetched: 2 in 0.002 seconds

	CUSTOMER_ID	CUSTOMER_NAME	DATE_OF_BIRTH	GUARDIAN_NAME
1	C-001	JOHN	03-MAY-84	PETER
2	C-002	JAMES	06-AUG-84	GEORGE

==========

```
--7.*Write a query which will display customer id, account number and passcode.
--<br/>
--Hint:  To generate passcode, join the last three digits of customer id and last four digit of account number.
--
--<br/>Example
--<br/>C-001                    1234567898765432                0015432
--<br/>Use ""PASSCODE"" as alias name for displaying the passcode."

SELECT
    customer_id,
    account_no,
    CONCAT(SUBSTR(customer_id,-3),SUBSTR(account_no,-4)) PASSCODE
FROM
    account_info;
```

Query Result

SQL | All Rows Fetched: 5 in 0.015 seconds

	CUSTOMER_ID	ACCOUNT_NO	PASSCODE
1	C-001	1234567898765432	0015432
2	C-002	1234567898765433	0025433
3	C-003	1234567898765434	0035434
4	C-004	1234567898765435	0045435
5	C-005	1234567898765436	0055436

==========

```sql
--8.*Write a query which will display the customer id, customer name, date of birth, Marital Status, Gender, Guardian name,
--contact no and email id of the customers whose gender is male 'M' and marital status is MARRIED.

SELECT
    customer_personal_info.customer_id,
    customer_personal_info.customer_name,
    customer_personal_info.date_of_birth,
    customer_personal_info.marital_status,
    customer_personal_info.gender,
    customer_personal_info.guardian_name,
    customer_personal_info.contact_no,
    customer_personal_info.mail_id
FROM
    customer_personal_info
WHERE
    customer_personal_info.gender='M'
    AND
    customer_personal_info.marital_status='MARRIED';
```

Query Result

SQL | All Rows Fetched: 2 in 0.003 seconds

	CUSTOMER_ID	CUSTOMER_NAME	DATE_OF_BIRTH	MARITAL_STATUS	GENDER	GUARDIAN_NAME	CONTACT_NO	MAIL_ID
1	C-002	JAMES	06-AUG-84	MARRIED	M	GEORGE	9237893481	JAMES_123@gmail.com
2	C-004	RAMESH	11-DEC-85	MARRIED	M	KRISHNAN	9235234534	RAMESH_123@gmail.com

==========

```sql
--9.*Write a query which will display the customer id, customer name, guardian name, reference account holders name of the customers
--who are referenced / referred by their 'FRIEND'.

SELECT
    c.customer_id,
    c.customer_name,
    c.guardian_name,
    d.reference_acc_name
FROM
    customer_reference_info d,
    customer_personal_info c
WHERE
    c.customer_id = d.customer_id
    AND
    d.relation='FRIEND';
```

Query Result

SQL | All Rows Fetched: 3 in 0.004 seconds

	CUSTOMER_ID	CUSTOMER_NAME	GUARDIAN_NAME	REFERENCE_ACC_NAME
1	C-001	JOHN	PETER	RAM
2	C-002	JAMES	GEORGE	RAGHUL
3	C-004	RAMESH	KRISHNAN	RAHMAN

==========

10

```sql
--10.*Write a query to display the customer id, account number and interest amount in the below format with INTEREST_AMT as alias name
-- Sort the result based on the INTEREST_AMT in ascending order.  <BR/>Example:
--$5<BR/>Hint: Need to prefix $ to interest amount and round the result without decimals.

SELECT
    account_info.customer_id,
    account_info.account_no,
    CONCAT('$',(account_info.interest / 100 * account_info.initial_deposit) ) AS INTEREST_AMT
FROM
    account_info
ORDER BY (account_info.interest / 100 * account_info.initial_deposit); -- USE Formula in ORDER_BY Clause to arrange output...


--11.*Write a query which will display the customer id, customer name, account no, account type, activation date,
-- bank name whose account willnull be activated on '10-APR-2012'

SELECT
    g.customer_id,
    g.customer_name,
    h.account_no,
```

Script Output x | Query Result x

SQL | All Rows Fetched: 5 in 0 seconds

	CUSTOMER_ID	ACCOUNT_NO	INTEREST_AMT
1	C-002	1234567898765433	$0
2	C-004	1234567898765435	$0
3	C-001	1234567898765432	$500
4	C-003	1234567898765434	$640
5	C-005	1234567898765436	$1600

==========

11

```
--11.*Write a query which will display the customer id, customer name, account no, account type, activation date,
-- bank name whose account willnull be activated on '10-APR-2012'

SELECT
    g.customer_id,
    g.customer_name,
    h.account_no,
    h.account_type,
    h.activation_date,
    i.ifsc_code
FROM
    account_info h,
    customer_personal_info g,
    bank_info i
WHERE
    g.customer_id = h.customer_id
    AND i.ifsc_code = h.ifsc_code AND h.activation_date='10-APR-12';
```

Script Output x | Query Result x

SQL | All Rows Fetched: 5 in 0 seconds

	CUSTOMER_ID	ACCOUNT_NO	INTEREST_AMT
1	C-002	1234567898765433	$0
2	C-004	1234567898765435	$0
3	C-001	1234567898765432	$500
4	C-003	1234567898765434	$640
5	C-005	1234567898765436	$1600

====

12

```sql
--12.*Write a query which will display account number, customer id, customer name, bank name, branch name, ifsc code
--, citizenship, interest and initial deposit amount of all the customers.

SELECT
    k.account_no,
    k.customer_id,
    k.interest,
    k.initial_deposit,
    j.customer_name,
    j.citizenship,
    l.bank_name,
    l.branch_name,
    l.ifsc_code
FROM
    account_info k,
    customer_personal_info j,
    bank_info l
WHERE
    j.customer_id = k.customer_id
    AND l.ifsc_code = k.ifsc_code;
```

cript Output x | Query Result x

SQL | All Rows Fetched: 5 in 0 seconds

	ACCOUNT_NO	CUSTOMER_ID	INTEREST	INITIAL_DEPOSIT	CUSTOMER_NAME	CITIZENSHIP	BANK_NAME	BRANCH_NAME	IFSC_CODE
1	1234567898765435	C-004	7	0	RAMESH	INDIAN	HDFC	VALASARAVAKKAM	HDVL0012
2	1234567898765432	C-001	5	10000	JOHN	INDIAN	HDFC	VALASARAVAKKAM	HDVL0012
3	1234567898765433	C-002	6	0	JAMES	INDIAN	SBI	TNAGAR	SBITN0123
4	1234567898765434	C-003	4	16000	SUNITHA	INDIAN	ICICI	TNAGAR	ICITN0232
5	1234567898765436	C-005	8	20000	KUMAR	INDIAN	SBI	SAIDAPET	SBISD0113

====

13

```sql
--13.*Write a query which will display customer id, customer name, date of birth, guardian name, contact number,
-- mail id and reference account holder's name of the customers who has submitted the passport as an identification document.

SELECT
    m.customer_id,
    m.date_of_birth,
    m.customer_name,
    m.contact_no,
    m.guardian_name,
    m.mail_id,
    n.reference_acc_name
FROM
    customer_reference_info n,
    customer_personal_info m
WHERE
    m.customer_id = n.customer_id AND m.identification_doc_type='PASSPORT';

--14.*Write a query to display the customer id, customer name, account number, account type, initial deposit,
--interest who have deposited maximum amount in the bank.
```

Script Output x | Query Result x

SQL | All Rows Fetched: 4 in 0 seconds

	CUSTOMER_ID	DATE_OF_BIRTH	CUSTOMER_NAME	CONTACT_NO	GUARDIAN_NAME	MAIL_ID	REFERENCE_ACC_NAME
1	C-001	03-MAY-84	JOHN	9734526719	PETER	JOHN_123@gmail.com	RAM
2	C-002	06-AUG-84	JAMES	9237893481	GEORGE	JAMES_123@gmail.com	RAGHUL
3	C-004	11-DEC-85	RAMESH	9235234534	KRISHNAN	RAMESH_123@gmail.com	RAHMAN
4	C-005	26-APR-83	KUMAR	9242342312	KIRAN	KUMAR_123@gmail.com	VIVEK

====

```
--14.*Write a query to display the customer id, customer name, account number, account type, initial deposit,
--interest who have deposited maximum amount in the bank.

SELECT
    q.customer_id,
    q.customer_name,
    r.account_no,
    r.account_type,
    r.interest,
    r.initial_deposit,
    s.bank_name
FROM
    account_info r,
    customer_personal_info q,
    bank_info s
WHERE
    q.customer_id = r.customer_id
    AND s.ifsc_code = r.ifsc_code
    AND r.initial_deposit=(SELECT MAX(r.initial_deposit) FROM account_info r);
```

Script Output x | Query Result x

SQL | All Rows Fetched: 1 in 0 seconds

	CUSTOMER_ID	CUSTOMER_NAME	ACCOUNT_NO	ACCOUNT_TYPE	INTEREST	INITIAL_DEPOSIT	BANK_NAME
1	C-005	KUMAR	1234567898765436	SAVINGS	8	20000	SBI

=====

15

```sql
--15.*Write a query to display the customer id, customer name, account number, account type, interest, bank name
--and initial deposit amount of the customers who are getting maximum interest rate.

SELECT
    t.customer_id,
    t.customer_name,
    u.account_no,
    u.account_type,
    u.interest,
    u.initial_deposit*u.interest/100 AS INTEREST_AMT,
    v.bank_name
FROM
    account_info u,
    customer_personal_info t,
    bank_info v
WHERE
    t.customer_id = u.customer_id
    AND v.ifsc_code = u.ifsc_code
    AND u.initial_deposit*u.interest/100=(SELECT MAX(u.initial_deposit*u.interest/100) FROM account_info u);
```

Script Output | Query Result

SQL | All Rows Fetched: 1 in 0 seconds

	CUSTOMER_ID	CUSTOMER_NAME	ACCOUNT_NO	ACCOUNT_TYPE	INTEREST	INTEREST_AMT	BANK_NAME
1	C-005	KUMAR	1234567898765436	SAVINGS	8	1600	SBI

=====

16

```sql
--16.Write a query to display the customer id, customer name, account no, bank name, contact no
--and mail id of the customers who are from BANGALORE.

SELECT
    w.customer_id,
    w.customer_name,
    w.contact_no,
    w.mail_id,
    x.account_no,
    y.bank_name
FROM
    account_info x,
    customer_personal_info w,
    bank_info y
WHERE
    w.customer_id = x.customer_id
    AND y.ifsc_code = x.ifsc_code
    AND w.address LIKE '%BANGALORE';
```

=====

17

```sql
--17.Write a query which will display customer id, bank name, branch name, ifsc code, registration date,
--activation date of the customers whose activation date is in the month of march (March 1'st to March 31'st).

SELECT
    z.customer_id,
    bb.bank_name,
    bb.branch_name,
    bb.ifsc_code,
    aa.registration_date
FROM
    account_info aa,
    customer_personal_info z,
    bank_info bb
WHERE
    z.customer_id = aa.customer_id
    AND bb.ifsc_code = aa.ifsc_code
    AND EXTRACT(MONTH from aa.activation_date)=3;

--18.Write a query which will calculate the interest amount and display it along with customer id, customer name,
```

Script Output x | Query Result x

SQL | All Rows Fetched: 2 in 0.003 seconds

	CUSTOMER_ID	BANK_NAME	BRANCH_NAME	IFSC_CODE	REGISTRATION_DATE
1	C-002	SBI	TNAGAR	SBITN0123	12-MAR-12
2	C-003	ICICI	TNAGAR	ICITN0232	15-MAR-12

=====

```
--18.Write a query which will calculate the interest amount and display it along with customer id, customer name,
--account number, account type, interest, and initial deposit amount.<BR>Hint :Formula for interest amount,
--calculate: ((interest/100) * initial deposit amt) with column name 'interest_amt' (alias)

SELECT
    cc.customer_id,
    cc.customer_name,
    dd.account_no,
    dd.account_type,
    dd.interest,
    dd.initial_deposit,
        (dd.interest/100*dd.initial_deposit) AS INTEREST_AMT
FROM
    account_info dd,
    customer_personal_info cc
WHERE
    cc.customer_id = dd.customer_id;
```

cript Output x | Query Result x

SQL | All Rows Fetched: 5 in 0.003 seconds

	CUSTOMER_ID	CUSTOMER_NAME	ACCOUNT_NO	ACCOUNT_TYPE	INTEREST	INITIAL_DEPOSIT	INTEREST_AMT
1	C-001	JOHN	1234567898765432	SAVINGS	5	10000	500
2	C-002	JAMES	1234567898765433	SALARY	6	0	0
3	C-003	SUNITHA	1234567898765434	SAVINGS	4	16000	640
4	C-004	RAMESH	1234567898765435	SALARY	7	0	0
5	C-005	KUMAR	1234567898765436	SAVINGS	8	20000	1600

==

19

```sql
--19.Write a query to display the customer id, customer name, date of birth, guardian name, contact number,
--mail id, reference name who has been referenced by 'RAGHUL'.

SELECT
    ee.customer_id,
    ee.date_of_birth,
    ee.customer_name,
    ee.contact_no,
    ee.guardian_name,
    ee.mail_id,
    ff.reference_acc_name
FROM
    customer_reference_info ff,
    customer_personal_info ee
WHERE
    ee.customer_id = ff.customer_id
    AND ff.reference_acc_name='RAGHUL';
```

Script Output x | Query Result x

SQL | All Rows Fetched: 1 in 0.003 seconds

	CUSTOMER_ID	DATE_OF_BIRTH	CUSTOMER_NAME	CONTACT_NO	GUARDIAN_NAME	MAIL_ID	REFERENCE_ACC_NAME
1	C-002	06-AUG-84	JAMES	9237893481	GEORGE	JAMES_123@gmail.com	RAGHUL

=====

20

```
--20."Write a query which will display the customer id, customer name and contact number with ISD code of
--all customers in below mentioned format.  Sort the result based on the customer id in descending order.
--<BR>Format for contact number is :
--<br/> ""+91-3digits-3digits-4digits""
--<br/> Example: +91-924-234-2312
--<br/> Use ""CONTACT_ISD"" as alias name."

SELECT
    customer_personal_info.customer_id,
    customer_personal_info.customer_name,
    customer_personal_info.contact_no,
    '+91-' || SUBSTR(customer_personal_info.contact_no,0,3)
    || '-' || SUBSTR(customer_personal_info.contact_no,4,3)
    || '-' || SUBSTR(customer_personal_info.contact_no,7,4)
    AS CONTACT_ISD
FROM
    customer_personal_info;
```

Query Result

SQL | All Rows Fetched: 5 in 0 seconds

	CUSTOMER_ID	CUSTOMER_NAME	CONTACT_NO	CONTACT_ISD
1	C-001	JOHN	9734526719	+91-973-452-6719
2	C-002	JAMES	9237893481	+91-923-789-3481
3	C-003	SUNITHA	9438978389	+91-943-897-8389
4	C-004	RAMESH	9235234534	+91-923-523-4534
5	C-005	KUMAR	9242342312	+91-924-234-2312

=====

21

```
--21.Write a query which will display account number, account type, customer id, customer name, date of birth, guardian name,
--contact no, mail id , gender, reference account holders name, reference account holders account number, registration date,
--activation date, number of days between the registration date and activation date with alias name "NoofdaysforActivation",
--bank name, branch name and initial deposit for all the customers.

SELECT
    ii.account_no,    ii.account_type,    ii.customer_id,    gg.customer_name,    gg.date_of_birth,
    gg.guardian_name,    hh.reference_acc_name,  hh.reference_acc_no,
    ii.registration_date,    ii.activation_date,    ii.activation_date - ii.registration_date AS NoofdaysforActivation,
    ii.initial_deposit,    gg.gender,    gg.contact_no,
    gg.mail_id,    jj.bank_name,    jj.branch_name
FROM
    customer_reference_info hh,    customer_personal_info gg,    account_info ii,    bank_info jj
WHERE
    gg.customer_id = hh.customer_id
    AND gg.customer_id = ii.customer_id
    AND jj.ifsc_code = ii.ifsc_code;

--22."Write a query which will display customer id, customer name,  guardian name, identification doc type,
```

Query Result

SQL | All Rows Fetched: 5 in 0.007 seconds

	ACCOUNT_NO	ACCO...	CUS...	CUSTO...	DATE_OF...	GUARDI...	REFE...	REFERENCE_ACC_NO	REGISTR...	ACTIVATI...	N...	INI...	G...	CONTACT_NO	MAIL_ID	BANK_NAME	BRANCH_NAME
1	1234567898765435	SALARY	C-004	RAMESH	11-DEC-85	KRISHNAN	RAHMAN	987654321122348	05-APR-12	10-APR-12	5	0	M	9235234534	RAMES...	HDFC	VALASARAVAKKAM
2	1234567898765432	SAVINGS	C-001	JOHN	03-MAY-84	PETER	RAM	987654321122345	23-FEB-12	28-FEB-12	5	10000	M	9734526719	JOHN_...	HDFC	VALASARAVAKKAM
3	1234567898765433	SALARY	C-002	JAMES	06-AUG-84	GEORGE	RAGHUL	987654321122346	12-MAR-12	17-MAR-12	5	0	M	9237893481	JAMES...	SBI	TNAGAR
4	1234567898765434	SAVINGS	C-003	SUNITHA	06-NOV-84	VINOD	GOKUL	987654321122357	15-MAR-12	20-MAR-12	5	16000	F	9438978389	SUNIT...	ICICI	TNAGAR
5	1234567898765436	SAVINGS	C-005	KUMAR	26-APR-83	KIRAN	VIVEK	987654321122359	12-APR-12	17-APR-12	5	20000	M	9242342312	KUMAR...	SBI	SAIDAPET

======

```
--22."Write a query which will display customer id, customer name,  guardian name, identification doc type,
-- reference account holders name, account type, ifsc code, bank name and current balance for the customers
--who has only the savings account.
--<br/>Hint:  Formula for calculating current balance is add the intital deposit amount and interest
-- and display without any decimals. Use ""CURRENT_BALANCE"" as alias name."

SELECT
    a.customer_id,    a.customer_name,    a.guardian_name,    a.identification_doc_type,
    b.reference_acc_name,    c.account_type,    d.ifsc_code,
    d.bank_name, c.interest/100*c.initial_deposit as "CURRENT BALANCE"
FROM
    customer_reference_info b,
    customer_personal_info a,
    account_info c,
    bank_info d
WHERE
    a.customer_id = b.customer_id
    AND a.customer_id = c.customer_id
    AND d.ifsc_code = c.ifsc_code
    AND c.account_type='SAVINGS';
```

Query Result

SQL | All Rows Fetched: 3 in 0.003 seconds

	CUSTOMER_ID	CUSTOMER_NAME	GUARDIAN_NAME	IDENTIFICATION_DOC_TYPE	REFERENCE_ACC_NAME	ACCOUNT_TYPE	IFSC_CODE	BANK_NAME	CURRENT BALANCE
1	C-001	JOHN	PETER	PASSPORT	RAM	SAVINGS	HDVL0012	HDFC	500
2	C-003	SUNITHA	VINOD	VOTER-ID	GOKUL	SAVINGS	ICITN0232	ICICI	640
3	C-005	KUMAR	KIRAN	PASSPORT	VIVEK	SAVINGS	SBISD0113	SBI	1600

=====

23

```
--23."Write a query which will display the customer id, customer name, account number, account type, interest, initial deposit;
-- <br/>check the initial deposit,<br/> if initial deposit is 20000 then display ""high"",<br/> if initial deposit is 16000 display 'moderate'
--,<br/> if initial deposit is 10000 display 'average', <br/>if initial deposit is 5000 display 'low', <br/>if initial deposit is 0 display
-- 'very low' otherwise display 'invalid' and sort by interest in descending order.<br/>
--Hint: Name the column as ""Deposit_Status"" (alias).
--<br/>Strictly follow the lower case for strings in this query."

SELECT
    account_info.customer_id,    CUSTOMER_NAME,    account_no,    account_type,    interest,    initial_deposit,
    CASE initial_deposit
        WHEN 20000  THEN    'high'
        WHEN 16000  THEN    'moderate'
        WHEN 10000  THEN    'average'
        WHEN 5000   THEN    'low'
        WHEN 0      THEN    'very low'
        ELSE                'invalid' END
FROM
    account_info,    CUSTOMER_PERSONAL_INFO
WHERE
    account_info.customer_id = CUSTOMER_PERSONAL_INFO.customer_id
ORDER BY interest DESC;
```

Query Result

SQL | All Rows Fetched: 5 in 0 seconds

	CUSTOMER_ID	CUSTOMER_NAME	ACCOUNT_NO	ACCOUNT_TYPE	INTEREST	INITIAL_DEPOSIT	CASEINITIAL_DEPOSITWHEN20000THEN'HIGH'WHEN16000THEN'MODERATE'WHEN
1	C-005	KUMAR	1234567898765436	SAVINGS	8	20000	high
2	C-004	RAMESH	1234567898765435	SALARY	7	0	very low
3	C-002	JAMES	1234567898765433	SALARY	6	0	very low
4	C-001	JOHN	1234567898765432	SAVINGS	5	10000	average
5	C-003	SUNITHA	1234567898765434	SAVINGS	4	16000	moderate

=====

```
--24."Write a query which will display customer id, customer name,  account number, account type, bank name, ifsc code, initial deposit amount
-- and new interest amount for the customers whose name starts with ""J"".
--<br/> Hint:  Formula for calculating ""new interest amount"" is
--if customers account type is savings then add 10 % on current interest amount to interest amount else display the current interest amount.
-- Round the new interest amount to 2 decimals.<br/> Use ""NEW_INTEREST"" as alias name for displaying the new interest amount.
--
--<br/>Example, Assume Jack has savings account and his current interest amount is 10.00, then the new interest amount is 11.00 i.e (10 + (10 * 10/100)).

SELECT
    account_info.customer_id,    CUSTOMER_NAME,    account_no,    account_type,    BANK_NAME,    account_info.ifsc_code,    initial_deposit,
    CASE
        WHEN account_type = 'SAVINGS'
           THEN ((INTEREST/100)*INITIAL_DEPOSIT)+((INTEREST/100)*INITIAL_DEPOSIT*10/100)
    ELSE
           ((INTEREST/100)*INITIAL_DEPOSIT)
    END  NEW_INTEREST
FROM
    account_info,    CUSTOMER_PERSONAL_INFO,    BANK_INFO
WHERE
    account_info.IFSC_CODE = BANK_INFO.IFSC_CODE AND
    account_info.customer_id = CUSTOMER_PERSONAL_INFO.customer_id AND
    CUSTOMER_NAME LIKE 'J%';
```

Query Result

SQL | All Rows Fetched: 2 in 0 seconds

	CUSTOMER_ID	CUSTOMER_NAME	ACCOUNT_NO	ACCOUNT_TYPE	BANK_NAME	IFSC_CODE	INITIAL_DEPOSIT	NEW_INTEREST
1	C-001	JOHN	1234567898765432	SAVINGS	HDFC	HDVL0012	10000	550
2	C-002	JAMES	1234567898765433	SALARY	SBI	SBITN0123	0	0

=====

25

```
--25.Write query to display the customer id, customer name, account no, initial deposit, tax percentage as calculated below.
--<BR>Hint: <BR>If initial deposit = 0 then tax is '0%'<BR>If initial deposit &lt;= 10000 then tax is '3%'
--<BR>If initial deposit &gt; 10000 and initial deposit &lt; 20000 then tax is '5%' <BR>If initial deposit &gt;= 20000 and
-- initial deposit&lt;=30000 then tax is '7%' <BR>If initial deposit &gt; 30000 then tax is '10%' <BR>Use the alias name 'taxPercentage'

SELECT
    account_info.customer_id,    CUSTOMER_NAME,    account_no,    initial_deposit,
    CASE
        WHEN initial_deposit = 0            THEN '0%'
        WHEN initial_deposit <= 10000       THEN '3%'
        WHEN initial_deposit > 10000 AND initial_deposit<20000      THEN '3%'
        WHEN initial_deposit >=20000 AND initial_deposit<=30000     THEN '7%'
        WHEN initial_deposit > 30000        THEN '10%'
    END taxPercentage
FROM
    account_info,    CUSTOMER_PERSONAL_INFO
WHERE
    account_info.customer_id = CUSTOMER_PERSONAL_INFO.customer_id;
```

Query Result

SQL | All Rows Fetched: 5 in 0 seconds

	CUSTOMER_ID	CUSTOMER_NAME	ACCOUNT_NO	INITIAL_DEPOSIT	TAXPERCENTAGE
1	C-001	JOHN	1234567898765432	10000	3%
2	C-002	JAMES	1234567898765433	0	0%
3	C-003	SUNITHA	1234567898765434	16000	3%
4	C-004	RAMESH	1234567898765435	0	0%
5	C-005	KUMAR	1234567898765436	20000	7%

=====