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

SELECT C.CUSTOMER\_ID , A.ACCOUNT\_TYPE,A.ACCOUNT\_NO,B.BANK\_NAME FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON (A.CUSTOMER\_ID=C.CUSTOMER\_ID) INNER JOIN BANK\_INFO B ON (B.IFSC\_CODE=A.IFSC\_CODE);

CUSTO ACCOUNT\_TY ACCOUNT\_NO BANK\_NAME

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C-004 SALARY 1.2346E+15 HDFC

C-001 SAVINGS 1.2346E+15 HDFC

C-002 SALARY 1.2346E+15 SBI

C-003 SAVINGS 1.2346E+15 ICICI

C-005 SAVINGS 1.2346E+15 SBI

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 A.CUSTOMER\_ID,A.ACCOUNT\_TYPE,A.ACCOUNT\_NO FROM ACCOUNT\_INFO A INNER JOIN BANK\_INFO B ON (A.IFSC\_CODE=B.IFSC\_CODE AND B.BANK\_NAME='HDFC') WHERE

REGISTRATION\_DATE BETWEEN '13-JAN-2012' AND '04-APR-2012';

CUSTO ACCOUNT\_TY ACCOUNT\_NO

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C-001 SAVINGS 1.2346E+15

3.\*Write a query which will display the customer id, customer name, account no, account type and bank name where the customers hold the account.

SELECT C.CUSTOMER\_ID ,C.CUSTOMER\_NAME,A.ACCOUNT\_NO, A.ACCOUNT\_TYPE,B.BANK\_NAME

FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON (A.CUSTOMER\_ID=C.CUSTOMER\_ID)

INNER JOIN BANK\_INFO B ON (B.IFSC\_CODE=A.IFSC\_CODE);

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY

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BANK\_NAME

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C-004 RAMESH 1.2346E+15 SALARY

HDFC

C-001 JOHN 1.2346E+15 SAVINGS

HDFC

C-002 JAMES 1.2346E+15 SALARY

SBI

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY

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BANK\_NAME

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C-003 SUNITHA 1.2346E+15 SAVINGS

ICICI

C-005 KUMAR 1.2346E+15 SAVINGS

SBI

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.

Use ""UNIQUE\_REF\_STRING"" as alias name for displaying the unique reference string."

SELECT CUSTOMER\_ID,CUSTOMER\_NAME,GENDER,MARITAL\_STATUS,(CUSTOMER\_NAME||'\_'||GENDER||'\_'||MARITAL\_STATUS) UNIQUE\_REF\_STRING

FROM CUSTOMER\_PERSONAL\_INFO

ORDER BY(CUSTOMER\_ID) DESC;

CUSTO CUSTOMER\_NAME G MARITAL\_ST

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UNIQUE\_REF\_STRING

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C-005 KUMAR M SINGLE

KUMAR\_M\_SINGLE

C-004 RAMESH M MARRIED

RAMESH\_M\_MARRIED

C-003 SUNITHA F SINGLE

SUNITHA\_F\_SINGLE

CUSTO CUSTOMER\_NAME G MARITAL\_ST

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UNIQUE\_REF\_STRING

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C-002 JAMES M MARRIED

JAMES\_M\_MARRIED

C-001 JOHN M SINGLE

JOHN\_M\_SINGLE

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 ACCOUNT\_NO,CUSTOMER\_ID,REGISTRATION\_DATE,INITIAL\_DEPOSIT FROM ACCOUNT\_INFO WHERE INITIAL\_DEPOSIT BETWEEN 15000 AND 25000;

ACCOUNT\_NO CUSTO REGISTRAT INITIAL\_DEPOSIT

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1.2346E+15 C-003 15-MAR-12 16000

1.2346E+15 C-005 12-APR-12 20000

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\_ID,CUSTOMER\_NAME,DATE\_OF\_BIRTH ,GUARDIAN\_NAME FROM CUSTOMER\_PERSONAL\_INFO WHERE CUSTOMER\_NAME LIKE 'J%';

CUSTO CUSTOMER\_NAME DATE\_OF\_B GUARDIAN\_NAME

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C-001 JOHN 03-MAY-84 PETER

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.

SELECT CUSTOMER\_ID, ACCOUNT\_NO,

CONCAT(SUBSTR(CUSTOMER\_ID,((LENGTH(CUSTOMER\_ID))-2),LENGTH(CUSTOMER\_ID)),SUBSTR(ACCOUNT\_NO,((LENGTH(ACCOUNT\_NO))-3),LENGTH(ACCOUNT\_NO))) PASSCODE FROM ACCOUNT\_INFO;

CUSTO ACCOUNT\_NO PASSCODE

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C-001 1.2346E+15 0015432

C-002 1.2346E+15 0025433

C-003 1.2346E+15 0035434

C-004 1.2346E+15 0045435

C-005 1.2346E+15 0055436

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\_ID, CUSTOMER\_NAME, DATE\_OF\_BIRTH, MARITAL\_STATUS, GENDER , GUARDIAN\_NAME, CONTACT\_NO, MAIL\_ID

FROM CUSTOMER\_PERSONAL\_INFO WHERE (GENDER='M' AND MARITAL\_STATUS='MARRIED';

CUSTO CUSTOMER\_NAME DATE\_OF\_B MARITAL\_ST G

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GUARDIAN\_NAME CONTACT\_NO MAIL\_ID

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C-002 JAMES 06-AUG-84 MARRIED M

GEORGE 9237893481 JAMES\_123@gmail.com

C-004 RAMESH 11-DEC-85 MARRIED M

KRISHNAN 9235234534 RAMESH\_123@gmail.com

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 R.CUSTOMER\_ID,C.CUSTOMER\_NAME,C.GUARDIAN\_NAME,R.REFERENCE\_ACC\_NAME FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN CUSTOMER\_REFERENCE\_INFO R ON (C.CUSTOMER\_ID=R.CUSTOMER\_ID AND R.RELATION='FRIEND');

CUSTO CUSTOMER\_NAME GUARDIAN\_NAME

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REFERENCE\_ACC\_NAME

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C-001 JOHN PETER

RAM

C-002 JAMES GEORGE

RAGHUL

C-004 RAMESH KRISHNAN

RAHMAN

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 CUSTOMER\_ID,ACCOUNT\_NO,(INITIAL\_DEPOSIT\*((CURRENT\_DATE-ACTIVATION\_DATE)\*INTEREST)/(100\*365)) INTEREST\_AMT FROM ACCOUNT\_INFO ORDER BY (INTEREST\_AMT) ASC;

CUSTO ACCOUNT\_NO INTEREST\_AMT

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C-002 1.2346E+15 0

C-004 1.2346E+15 0

C-001 1.2346E+15 3628.36744

C-003 1.2346E+15 4607.4884

C-005 1.2346E+15 11395.9813

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

SELECT C.CUSTOMER\_ID,C.CUSTOMER\_NAME, A.ACCOUNT\_NO, A.ACCOUNT\_TYPE,A.ACTIVATION\_DATE,B.BANK\_NAME FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON (A.CUSTOMER\_ID=C.CUSTOMER\_ID) INNER JOIN BANK\_INFO B ON (A.IFSC\_CODE=B.IFSC\_CODE AND A.ACTIVATION\_DATE = '10-APR-2012');

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY ACTIVATIO

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BANK\_NAME

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C-004 RAMESH 1.2346E+15 SALARY 10-APR-12

HDFC

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 A.ACCOUNT\_NO,C.CUSTOMER\_ID,C.CUSTOMER\_NAME,B.BANK\_NAME, B.BRANCH\_NAME, B.IFSC\_CODE, C.CITIZENSHIP,A.INTEREST, A.INITIAL\_DEPOSIT FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON (A.CUSTOMER\_ID=C.CUSTOMER\_ID) INNER JOIN BANK\_INFO B ON (B.IFSC\_CODE=A.IFSC\_CODE);

ACCOUNT\_NO CUSTO CUSTOMER\_NAME BANK\_NAME

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BRANCH\_NAME IFSC\_CODE CITIZENSHI INTEREST INITIAL\_DEPOSIT

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1.2346E+15 C-004 RAMESH HDFC

VALASARAVAKKAM HDVL0012 INDIAN 7 0

1.2346E+15 C-001 JOHN HDFC

VALASARAVAKKAM HDVL0012 INDIAN 5 10000

1.2346E+15 C-002 JAMES SBI

TNAGAR SBITN0123 INDIAN 6 0

ACCOUNT\_NO CUSTO CUSTOMER\_NAME BANK\_NAME

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BRANCH\_NAME IFSC\_CODE CITIZENSHI INTEREST INITIAL\_DEPOSIT

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1.2346E+15 C-003 SUNITHA ICICI

TNAGAR ICITN0232 INDIAN 4 16000

1.2346E+15 C-005 KUMAR SBI

SAIDAPET SBISD0113 INDIAN 8 20000

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 C.CUSTOMER\_ID,C.CUSTOMER\_NAME,C.DATE\_OF\_BIRTH,C.GUARDIAN\_NAME, C.CONTACT\_NO, C.MAIL\_ID , R.REFERENCE\_ACC\_NAME FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN CUSTOMER\_REFERENCE\_INFO R ON

(C.CUSTOMER\_ID =R.CUSTOMER\_ID AND IDENTIFICATION\_DOC\_TYPE= 'PASSPORT');

CUSTO CUSTOMER\_NAME DATE\_OF\_B GUARDIAN\_NAME

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CONTACT\_NO MAIL\_ID REFERENCE\_ACC\_NAME

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C-001 JOHN 03-MAY-84 PETER

9734526719 JOHN\_123@gmail.com RAM

C-002 JAMES 06-AUG-84 GEORGE

9237893481 JAMES\_123@gmail.com RAGHUL

C-004 RAMESH 11-DEC-85 KRISHNAN

9235234534 RAMESH\_123@gmail.com RAHMAN

CUSTO CUSTOMER\_NAME DATE\_OF\_B GUARDIAN\_NAME

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CONTACT\_NO MAIL\_ID REFERENCE\_ACC\_NAME

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C-005 KUMAR 26-APR-83 KIRAN

9242342312 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 C.CUSTOMER\_ID,C.CUSTOMER\_NAME, A.ACCOUNT\_NO, A.ACCOUNT\_TYPE, A.INITIAL\_DEPOSIT , A.INTEREST FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON (A.CUSTOMER\_ID=C.CUSTOMER\_ID) WHERE A.INITIAL\_DEPOSIT

>= ALL(SELECT INITIAL\_DEPOSIT FROM ACCOUNT\_INFO);

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY INITIAL\_DEPOSIT

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INTEREST

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C-005 KUMAR 1.2346E+15 SAVINGS 20000

8

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 C.CUSTOMER\_ID,C.CUSTOMER\_NAME,A.ACCOUNT\_NO,A.ACCOUNT\_TYPE,A.INTEREST, B.BANK\_NAME,A.INITIAL\_DEPOSIT FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON (A.CUSTOMER\_ID=C.CUSTOMER\_ID) INNER JOIN BANK\_INFO B ON ((B.IFSC\_CODE=A.IFSC\_CODE) AND A.INTEREST = (SELECT MAX(INTEREST) FROM ACCOUNT\_INFO));

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY INTEREST

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BANK\_NAME INITIAL\_DEPOSIT

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C-005 KUMAR 1.2346E+15 SAVINGS 8

SBI 20000

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 C.CUSTOMER\_ID,C.CUSTOMER\_NAME,A.ACCOUNT\_NO,B.BANK\_NAME,C.CONTACT\_NO, C.MAIL\_ID FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON (A.CUSTOMER\_ID=C.CUSTOMER\_ID AND (C.ADDRESS LIKE '%BANGALORE')) INNER JOIN BANK\_INFO B ON (B.IFSC\_CODE=A.IFSC\_CODE) ;

CUSTO CUSTOMER\_NAME ACCOUNT\_NO BANK\_NAME

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CONTACT\_NO MAIL\_ID

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C-001 JOHN 1.2346E+15 HDFC

9734526719 JOHN\_123@gmail.com

C-002 JAMES 1.2346E+15 SBI

9237893481 JAMES\_123@gmail.com

C-005 KUMAR 1.2346E+15 SBI

9242342312 KUMAR\_123@gmail.com

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 C.CUSTOMER\_ID,B.BANK\_NAME,B.BRANCH\_NAME,A.IFSC\_CODE,A.REGISTRATION\_DATE,A.ACTIVATION\_DATE FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON ((A.CUSTOMER\_ID=C.CUSTOMER\_ID) AND (A.ACTIVATION\_DATE LIKE '%MAR%')) INNER JOIN BANK\_INFO B ON (B.IFSC\_CODE=A.IFSC\_CODE);

CUSTO BANK\_NAME BRANCH\_NAME IFSC\_CODE REGISTRAT

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ACTIVATIO

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C-002 SBI TNAGAR SBITN0123 12-MAR-12

17-MAR-12

C-003 ICICI TNAGAR ICITN0232 15-MAR-12

20-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 C.CUSTOMER\_ID,C.CUSTOMER\_NAME,A.ACCOUNT\_NO,A.ACCOUNT\_TYPE,A.INTEREST,A.INITIAL\_DEPOSIT,((A.INTEREST/100)\*A.INITIAL\_DEPOSIT)INTEREST\_AMT FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN ACCOUNT\_INFO A ON (A.CUSTOMER\_ID=C.CUSTOMER\_ID);

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY INTEREST

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INITIAL\_DEPOSIT INTEREST\_AMT

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C-001 JOHN 1.2346E+15 SAVINGS 5

10000 500

C-002 JAMES 1.2346E+15 SALARY 6

0 0

C-003 SUNITHA 1.2346E+15 SAVINGS 4

16000 640

CUSTO CUSTOMER\_NAME ACCOUNT\_NO ACCOUNT\_TY INTEREST

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INITIAL\_DEPOSIT INTEREST\_AMT

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C-004 RAMESH 1.2346E+15 SALARY 7

0 0

C-005 KUMAR 1.2346E+15 SAVINGS 8

20000 1600

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 C.CUSTOMER\_ID,C.CUSTOMER\_NAME,C.DATE\_OF\_BIRTH, C.GUARDIAN\_NAME,C.CONTACT\_NO, MAIL\_ID, C1.REFERENCE\_ACC\_NAME

FROM CUSTOMER\_PERSONAL\_INFO C INNER JOIN CUSTOMER\_REFERENCE\_INFO C1 ON (C.CUSTOMER\_ID=C1.CUSTOMER\_ID AND C1.REFERENCE\_ACC\_NAME='RAGHUL');

CUSTO CUSTOMER\_NAME DATE\_OF\_B GUARDIAN\_NAME

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CONTACT\_NO MAIL\_ID REFERENCE\_ACC\_NAME

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C-002 JAMES 06-AUG-84 GEORGE

9237893481 JAMES\_123@gmail.com RAGHUL

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\_ID,CUSTOMER\_NAME,(+91||'-'||SUBSTR(CONTACT\_NO,1,3)||'-'||SUBSTR(CONTACT\_NO,4,3)||'-'||SUBSTR(CONTACT\_NO,7))CONTACT\_ISD FROM CUSTOMER\_PERSONAL\_INFO ORDER BY (CUSTOMER\_ID) DESC;

CUSTO CUSTOMER\_NAME

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CONTACT\_ISD

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C-005 KUMAR

91-924-234-2312

C-004 RAMESH

91-923-523-4534

C-003 SUNITHA

91-943-897-8389

CUSTO CUSTOMER\_NAME

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CONTACT\_ISD

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C-002 JAMES

91-923-789-3481

C-001 JOHN

91-973-452-6719