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

**SELECT CUSTOMER\_ID, ACCOUNT\_TYPE, ACCOUNT\_NO, BANK\_NAME FROM ACCOUNT\_INFO\_2605 A, BANK\_INFO\_2605 B WHERE A.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.

**SELECT CUSTOMER\_ID, ACCOUNT\_TYPE, ACCOUNT\_NO FROM ACCOUNT\_INFO\_2605 A, BANK\_INFO\_2605 B WHERE REGISTRATION\_DATE BETWEEN '12-JAN-2012' AND '10-APR-2012' AND A.IFSC\_CODE = B.IFSC\_CODE AND BANK\_NAME = 'HDFC';**

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 CUSTOMER\_NAME, A.CUSTOMER\_ID, ACCOUNT\_NO, ACCOUNT\_TYPE, BANK\_NAME FROM ACCOUNT\_INFO\_2605 A, CUSTOMER\_PERSONAL\_INFO\_2605 B, BANK\_INFO\_2605 C WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID AND A.IFSC\_CODE = C.IFSC\_CODE;**

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.

Hint: Generate unique reference string as mentioned below

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

**SELECT A.CUSTOMER\_ID, CUSTOMER\_NAME, GENDER, MARITAL\_STATUS,REFERENCE\_ACC\_NO AS UNIQUE\_REF\_STRING FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, CUSTOMER\_REFERENCE\_INFO\_2605 B WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID ORDER BY CUSTOMER\_ID DESC;**

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\_2605 WHERE INITIAL\_DEPOSIT BETWEEN 15000 AND 25000;**

1. 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\_2605 WHERE CUSTOMER\_NAME LIKE 'J%';**

7) Write a query which will display customer id, account number and passcode.

Hint: To generate passcode, join the last three digits of customer id and last four digit of account number.

Example

: C-001 1234567898765432 0015432

. Use ""PASSCODE"" as alias name for displaying the passcode."

**SELECT CUSTOMER\_ID,ACCOUNT\_NO, CONCAT(SUBSTR(CUSTOMER\_ID,-3),SUBSTR(ACCOUNT\_NO,-4))AS PASSCODE FROM ACCOUNT\_INFO\_2605;**

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\_2605 WHERE MARITAL\_STATUS = 'MARRIED' AND GENDER = 'M';**

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 A.CUSTOMER\_ID, CUSTOMER\_NAME, GUARDIAN\_NAME, REFERENCE\_ACC\_NO FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, CUSTOMER\_REFERENCE\_INFO\_2605 B WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID AND RELATION = 'FRIEND';**

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.Hint: Need to prefix $ to interest amount and round the result without decimals.

**SELECT CUSTOMER\_ID, ACCOUNT\_NO, CONCAT('$', ROUND(INTEREST) AS INTEREST\_AMT FROM ACCOUNT\_INFO\_2605;**

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 A.CUSTOMER\_ID, CUSTOMER\_NAME, ACCOUNT\_NO, ACCOUNT\_TYPE, ACTIVATION\_DATE, BANK\_NAME FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, ACCOUNT\_INFO\_2605 B, BANK\_INFO\_2605 C WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID AND B.IFSC\_CODE = C.IFSC\_CODE AND ACTIVATION\_DATE = '10-04-2012';**

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 ACCOUNT\_NO, A.CUSTOMER\_ID, CUSTOMER\_NAME, BANK\_NAME, BRANCH\_NAME, B.IFSC\_CODE, CITIZENSHIP, INTEREST, INITIAL\_DEPOSIT FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, BANK\_INFO\_2605 B, ACCOUNT\_INFO\_2605 C WHERE A.CUSTOMER\_ID = C.CUSTOMER\_ID AND B.IFSC\_CODE = C.IFSC\_CODE;**

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 A.CUSTOMER\_ID, CUSTOMER\_NAME, DATE\_OF\_BIRTH, GUARDIAN\_NAME, CONTACT\_NO, MAIL\_ID, REFERENCE\_ACC\_NO FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, CUSTOMER\_REFERENCE\_INFO\_2605 B WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID AND IDENTIFICATION\_DOC\_TYPE = 'PASSPORT';**

1. 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 A.CUSTOMER\_ID, CUSTOMER\_NAME, ACCOUNT\_NO, ACCOUNT\_TYPE,INITIAL\_DEPOSIT, INTEREST FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, ACCOUNT\_INFO\_2605 B WHERE INITIAL\_DEPOSIT IN (SELECT MAX(INITIAL\_DEPOSIT)FROM ACCOUNT\_INFO\_2605) AND A.CUSTOMER\_ID = B.CUSTOMER\_ID;**

1. 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 A.CUSTOMER\_ID, CUSTOMER\_NAME, ACCOUNT\_NO, ACCOUNT\_TYPE, INTEREST, BANK\_NAME, INITIAL\_DEPOSIT FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, ACCOUNT\_INFO\_2605 B, BANK\_INFO\_2605 C WHERE INTEREST IN(SELECT MAX(INTEREST) FROM ACCOUNT\_INFO\_2605) AND A.CUSTOMER\_ID = B.CUSTOMER\_ID AND B.IFSC\_CODE = C.IFSC\_CODE;**

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 A.CUSTOMER\_ID, CUSTOMER\_NAME, ACCOUNT\_NO, BANK\_NAME, CONTACT\_NO, MAIL\_ID FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, ACCOUNT\_INFO\_2605 B, BANK\_INFO\_2605 C WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID AND B.IFSC\_CODE = C.IFSC\_CODE AND ADDRESS LIKE '%BANGALORE%';**

1. 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 CUSTOMER\_ID, BANK\_NAME, BRANCH\_NAME, A.IFSC\_CODE, REGISTRATION\_DATE, ACTIVATION\_DATE FROM ACCOUNT\_INFO\_2605 A, BANK\_INFO\_2605 B WHERE ACTIVATION\_DATE BETWEEN '01-03-2012' AND '31-03-2012' AND A.IFSC\_CODE = B.IFSC\_CODE;**

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 A.CUSTOMER\_ID, CUSTOMER\_NAME, ACCOUNT\_NO, ACCOUNT\_TYPE, INTEREST, INITIAL\_DEPOSIT, (INTEREST/100)\*INITIAL\_DEPOSIT AS INTEREST\_AMT FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, ACCOUNT\_INFO\_2605 B WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID;**

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 A.CUSTOMER\_ID, CUSTOMER\_NAME, DATE\_OF\_BIRTH, GUARDIAN\_NAME, CONTACT\_NO, MAIL\_ID, REFERENCE\_ACC\_NAME FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, CUSTOMER\_REFERENCE\_INFO\_2605 B WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID AND REFERENCE\_ACC\_NAME = '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.

Format for contact number is :

""+91-3digits-3digits-4digits""

Example: +91-924-234-2312

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,7,4) CONTACT\_ISD FROM CUSTOMER\_PERSONAL\_INFO\_2605 ORDER BY CUSTOMER\_ID DESC;**

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 ACCOUNT\_NO, ACCOUNT\_TYPE, A.CUSTOMER\_ID, CUSTOMER\_NAME, DATE\_OF\_BIRTH, GUARDIAN\_NAME, CONTACT\_NO, MAIL\_ID, GENDER, REFERENCE\_ACC\_NAME, REFERENCE\_ACC\_NO, REGISTRATION\_DATE, ACTIVATION\_DATE,**

**(TO\_DATE (C.ACTIVATION\_DATE) - TO\_DATE (C.REGISTRATION\_DATE)) AS NOOFDAYSFORACTIVATION FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, CUSTOMER\_REFERENCE\_INFO\_2605 B, ACCOUNT\_INFO\_2605 C**

**WHERE ACCOUNT\_TYPE = 'SAVINGS' AND A.CUSTOMER\_ID = B.CUSTOMER\_ID AND B.CUSTOMER\_ID = C.CUSTOMER\_ID;**

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, CUSTOMER\_NAME, GUARDIAN\_NAME, IDENTIFICATION\_DOC\_TYPE, REFERENCE\_ACC\_NAME, ACCOUNT\_TYPE, D.IFSC\_CODE, BANK\_NAME, INITIAL\_DEPOSIT + INTEREST AS CURRENT\_BALANCE**

**FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, CUSTOMER\_REFERENCE\_INFO\_2605 B, BANK\_INFO\_2605 C, ACCOUNT\_INFO\_2605 D WHERE ACCOUNT\_TYPE = 'SAVINGS' AND A.CUSTOMER\_ID = B.CUSTOMER\_ID AND B.CUSTOMER\_ID = D.CUSTOMER\_ID AND D.IFSC\_CODE = C.IFSC\_CODE;**

23) Write a query which will display the customer id, customer name, account number, account type, interest, initial deposit;check the initial deposit, if initial deposit is 20000 then display ""high"",

if initial deposit is 16000 display 'moderate', if initial deposit is 10000 display 'average', if initial deposit is 5000 display 'low', if initial deposit is 0 display

'very low' otherwise display 'invalid' and sort by interest in descending order.

Hint: Name the column as ""Deposit\_Status"" (alias).

Strictly follow the lower case for strings in this query."

**SELECT A.CUSTOMER\_ID, CUSTOMER\_NAME, ACCOUNT\_NO, ACCOUNT\_TYPE, INTEREST, INITIAL\_DEPOSIT,**

**CASE**

**WHEN INITIAL\_DEPOSIT = 20000 THEN 'HIGH'**

**WHEN INITIAL\_DEPOSIT = 16000 THEN 'MODERATE'**

**WHEN INITIAL\_DEPOSIT = 10000 THEN 'AVERAGE'**

**WHEN INITIAL\_DEPOSIT = 5000 THEN 'VERY LOW'**

**WHEN INITIAL\_DEPOSIT = 500 THEN '0'**

**ELSE 'INVALID'**

**END DEPOSIT\_STATUS**

**FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, ACCOUNT\_INFO\_2605 B WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID;**

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 A.CUSTOMER\_ID, CUSTOMER\_NAME, ACCOUNT\_NO, ACCOUNT\_TYPE, BANK\_NAME, B.IFSC\_CODE, INITIAL\_DEPOSIT, ROUND(INTEREST + (INTEREST \* 10/100)) AS NEW\_INTEREST**

**FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, ACCOUNT\_INFO\_2605 B, BANK\_INFO\_2605 C WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID AND B.IFSC\_CODE = C.IFSC\_CODE AND ACCOUNT\_TYPE = 'SAVINGS' AND CUSTOMER\_NAME LIKE 'J%';**

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 A.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 '5%'**

**WHEN INITIAL\_DEPOSIT >=20000 AND INITIAL\_DEPOSIT <= 30000 THEN '7%'**

**ELSE '10%'**

**END TAXPERCENTAGE**

**FROM CUSTOMER\_PERSONAL\_INFO\_2605 A, ACCOUNT\_INFO\_2605 B WHERE A.CUSTOMER\_ID = B.CUSTOMER\_ID;**