# Assessment 1

1. Write a SQL query to create table as per the given schema.

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| --- | --- | --- | --- |
| ORDERS | | | |
| ORD\_NUM | INTEGER | NOT NULL | PK |
| ORD\_AMOUNT | INTEGER | NOT NULL |  |
| ADVANCE\_AMOUNT | INTEGER | NOT NULL |  |
| ORD\_DATE | DATE | NOT NULL |  |
| CUST\_CODE | VARCHAR(200) | NOT NULL | FK |
| AGENT\_CODE | CHAR(50) | NOT NULL | FK |
| ORD\_DESCRIPTION | VARCHAR(200) | NOT NULL |  |

|  |  |  |  |
| --- | --- | --- | --- |
| CUSTOMBERS | | | |
| CUST\_CODE | VARCHAR(100) | NOT NULL | PK |
| CUST\_NAME | VARCHAR(200) | NOT NULL |  |
| CUST\_CITY | CHAR(100) |  |  |
| WORKING\_AREA | VARCHAR(200) | NOT NULL |  |
| CUST\_COUNTRY | VARCHAR(200) | NOT NULL |  |
| GRADE | INTEGER |  |  |
| PAYMENT\_AMT | INTEGER | NOT NULL |  |
| OUTSTANDING\_AMT | INTEGER | NOT NULL |  |
| PHONE\_NO | VARCHAR(200) | NOT NULL |  |
| AGENT\_CODE | CHAR(50) | NOT NULL | FK |

|  |  |  |  |
| --- | --- | --- | --- |
| AGENTS | | | |
| AGENT\_CODE | CHAR(50) | NOT NULL | PK |
| AGENT\_NAME | CHAR(50) |  |  |
| WORKING\_AREA | CHAR(50) |  |  |
| COMMISSION | INTEGER |  |  |
| PHONE\_NO | CHAR(50) |  |  |
| COUNTRY | VARCHAR(200) | |  |

1. Write a SQL query to add the following fields in the table customers before inserting the data:

RECEIVE\_AMT , INTEGER , NOT NULL

OPENING\_AMT , INTEGER , NOT NULL

1. Insert the data in the mentioned table.

Sample data -

A007, Ramasundar, Bangalore, 0.15, 077-25814763, ‘’ – agents

C00013, Holmes, London, London, UK, 2, 6000.00, 5000.00, 7000.00, 4000.00,BBBBBBB, A003 – customers

200100, 1000.00, 600.00, 08/01/2008, C00013, A003, SOD – orders

1. Write a SQL query to return the data from the orders table where order\_date is before sept1,2022.
2. Write a SQL query to update commission where agent name starts with ‘A’ and has exactly 6 characters and country is not null.
3. Write a SQL query to rename the column name ‘ORD\_NUM’ from orders table to ‘ORDER\_NUM’.
4. Write a SQL query to fetch the count for each city in the descending order.
5. Write a SQL query to get the common customer codes from customers and orders where customer are in cities like London, Bangalore
6. Write a SQL query to delete all the records before sept 2020.
7. Write a SQL query to get and increase the commission by 10% when the country is ‘UK’, 20% for ‘India’ and else print ‘No commission’ for rest.
8. Write SQL command to
   1. delete the entire content for the table.
   2. Make any changes to the table structure.
   3. Make any changes to the data within the tables.