



|  |  |
| --- | --- |
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## 

# **TASK 1**

## TEAMS

Table instance charts:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| TEAMS | TEM | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | id | VARCHAR | 4 |
|  | \* | name | VARCHAR | 20 |
|  | \* | number\_of\_players | INT |  |
|  | O | discount | FLOAT |  |

Sample data:

|  |  |  |  |
| --- | --- | --- | --- |
| **id** | **name** | **number\_of\_players** | **discount** |
| A001 | Tamil Tigers | 20 | 5 |
| A002 | Blue Guardians | 22 | 10 |

#Insert into Teams

INSERT INTO `oracle\_baseball\_league`.`TEAMS`

(`id`,

`name`,

`number\_of\_players`,

`discount`)

VALUES('A001','Tamil Tigers',20,5);

INSERT INTO `oracle\_baseball\_league`.`TEAMS`

(`id`,

`name`,

`number\_of\_players`,

`discount`)

VALUES('A002','Blue Guardians',22,10);

## INVENTORY LIST

Table instance chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| INVENTORY LISTS | ILT | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | inven\_list\_id | VARCHAR | 10 |
|  | \* | cost\_of\_the\_unit | DECIMAL | 6,2 |
|  | \* | units\_on\_hand | SMALLINT | 5 |

Sample data:

|  |  |  |
| --- | --- | --- |
| **inven\_list\_id** | **cost\_of\_the\_unit($)** | **units\_on\_hand** |
| A000000001 | 25.00 | 50 |
| A000000002 | 20.00 | 100 |

#Insert into Inventory\_Lists

INSERT INTO `oracle\_baseball\_league`.`INVENTORY\_LISTS`

(`inven\_list\_id`,

`cost\_of\_the\_unit`,

`units\_on\_hand`)

VALUES('A000000001',25.00,50);

INSERT INTO `oracle\_baseball\_league`.`INVENTORY\_LISTS`

(`inven\_list\_id`,

`cost\_of\_the\_unit`,

`units\_on\_hand`)

VALUES('A000000002',20.00,100);

## ITEMS

Table instance chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| ITEMS | ITM | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | item\_number | INT |  |
|  | \* | name | VARCHAR | 255 |
|  | \* | description | MEDIUMTEXT |  |
|  | \* | category | VARCHAR | 50 |
|  | O | color | VARCHAR | 25 |
|  | O | size | VARCHAR | 5 |
| FK | \* | inven\_list\_id | VARCHAR | 10 |

Sample data:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **item\_number** | **inven\_list\_id** | **name** | **description** | **category** | **color** | **size** |
| 91 | A000000001 | Baseball Gloves | Gloves used for playing baseball | Accessories | Brown | S |
| 92 | A000000002 | Baseball | High quality horsehide ball, comes in box of 3s | Accessories | White | - |

#Insert into Items

INSERT INTO `oracle\_baseball\_league`.`ITEMS`

(`item\_number`,

`inven\_list\_id`,

`name`,

`description`,

`category`,

`color`,

`size`)

VALUES(1, 'A000000001', 'Baseball Gloves', 'Gloves used for playing baseball' , 'Accessories', 'Brown', 'S');

INSERT INTO `oracle\_baseball\_league`.`ITEMS`

(`item\_number`,

`inven\_list\_id`,

`name`,

`description`,

`category`,

`color`,

`size`)

VALUES(2, 'A000000002', 'Baseball', 'High quality horsehide ball, comes in box of 3s ', 'Accessories','White', NULL);

## PRICE HISTORY

Table instance chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| PRICE HISTORY | PHY | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | start\_date | DATE | 8 |
| PK | \* | start\_time | TIME | 6 |
|  | \* | price | DECIMAL | 6,2 |
|  | O | end\_date | DATE | 8 |
|  | O | end\_time | TIME | 6 |
| PK, FK | \* | item\_number | INT |  |

Sample data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **start\_date** | **start\_time** | **price** | **end\_date** | **end\_time** | **item\_number** |
| 2022-07-01 | 08:00:00 | $390.00 | 2022-07-31 | 21:59:59 | 91 |
| 2022-08-01 | 08:00:00 | $500.00 | 2022-08-31 | 21:59:59 | 92 |

#Insert into Price\_History

INSERT INTO `oracle\_baseball\_league`.`PRICE\_HISTORY`

(`item\_number`,

`start\_date`,

`start\_time`,

`price`,

`end\_date`,

`end\_time`)

VALUES(1,'2022-07-01', '08:00:00', 390.00, '2022-07-31', '21:59:59');

INSERT INTO `oracle\_baseball\_league`.`PRICE\_HISTORY`

(`item\_number`,

`start\_date`,

`start\_time`,

`price`,

`end\_date`,

`end\_time`)

VALUES(2,'2022-08-01', '08:00:00', 500.00, '2022-08-31','21:59:59');

## SALES REPRESENTATIVES

Table instance charts:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| SALES REPRESENTATIVES | SRE | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | sales\_rep\_id | SMALLINT | 1 |
| UK | \* | sre\_email\_id | VARCHAR | 50 |
|  | \* | first\_name | VARCHAR | 255 |
|  | \* | last\_name | VARCHAR | 255 |
| UK | \* | phone\_number | BIGINT | 15 |
|  | \* | commission\_rate | DECIMAL | (2,2) |
| FK | \* | supervisor\_id | SMALLINT | 1 |

Sample data:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **sales\_rep\_id** | **sre\_email\_id** | **first\_name** | **last\_name** | **phone\_number** | **commission\_rate** | **supervisor\_id** |
| 1 | cooper@obl.com | Cooper | Biggs | 89123381 | 10.50 | 1 |
| 2 | sheldon@obl.com | Sheldon | Lee | 88890021 | 21.50 | 1 |

#Insert into Sales\_Representatives.

#As the table FK supervisor\_id referes to the same table PK, foreign\_key\_checks need to disabled before inserting and

#re-enable after inserting

SET FOREIGN\_KEY\_CHECKS = 0;

INSERT INTO `oracle\_baseball\_league`.`SALES\_REPRESENTATIVES`

(`sales\_rep\_id`,

`sre\_email\_id`,

`first\_name`,

`last\_name`,

`phone\_number`,

`commission\_rate`,

`supervisor\_id`)

VALUES

(1,'cooper@obl.com','Cooper','Biggs',89123381,10.50,1);

INSERT INTO `oracle\_baseball\_league`.`SALES\_REPRESENTATIVES`

(`sales\_rep\_id`,

`sre\_email\_id`,

`first\_name`,

`last\_name`,

`phone\_number`,

`commission\_rate`,

`supervisor\_id`)

VALUES

(2,'sheldon@obl.com','Sheldon','Lee',88890021,21.50, 1);

SET FOREIGN\_KEY\_CHECKS = 1;

## SALES REPRESENTATIVE ADDRESS

Table instance chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| SALES REP ADDRESS | SRS | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
|  | \* | address\_line\_1 | VARCHAR | 255 |
|  | O | address\_line\_2 | VARCHAR | 255 |
|  | \* | city | VARCHAR | 25 |
|  | \* | postal\_code | MEDIUMINT | 6 |
| PK, FK | \* | Sales\_rep\_id | SMALLINT | 1 |

Sample data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **sales\_rep\_id** | **address\_line\_1** | **address\_line\_2** | **city** | **postal\_code** |
| 1 | Tampines Street 22 | - | Singapore | 388232 |
| 2 | 11-25 Serangoon Gardens | 11-25 Serangoon drive, north east central | Singapore | 571993 |

#Insert into Sales\_Representative\_Address

INSERT INTO `oracle\_baseball\_league`.`SALES\_REPRESENTATIVE\_ADDRESS`

(`sales\_rep\_id`,

`address\_line\_1`,

`address\_line\_2`,

`city`,

`postal\_code`)

VALUES(1,'Tampines Street 22',NULL,'Singapore',388232);

INSERT INTO `oracle\_baseball\_league`.`SALES\_REPRESENTATIVE\_ADDRESS`

(`sales\_rep\_id`,

`address\_line\_1`,

`address\_line\_2`,

`city`,

`postal\_code`)

VALUES(2,'11-25 Serangoon Gardens', '11-25 Serangoon drive, north east central','Singapore',571993);

## CUSTOMERS

Table instance chart:

| Table Name | Table Short Name | | | |
| --- | --- | --- | --- | --- |
| CUSTOMERS | CTR | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | customer\_number | MEDIUMINT | 7 |
| UK | \* | ctr\_emai\_id | VARCHAR | 50 |
|  | \* | first\_name | VARCHAR | 255 |
|  | \* | last\_name | VARCHAR | 255 |
|  | \* | phone\_number | BIGINT | 15 |
|  | \* | current\_balance | DECIMAL | 6,2 |
| FK | O | sales\_rep\_id | SMALLINT | 1 |

Sample data:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **customer\_number** | **ctr\_email\_id** | **first\_name** | **last\_name** | **phone\_number** | **current\_balance** | **sales\_rep\_id** |
| 1560 | john@yahoo.com | John | Doe | 99910000 | 520.98 | 1 |
| 2092 | jason23@gmail.com | Jason | Bourne | 99900123 | 78.20 | 2 |

#Insert into Customers

INSERT INTO `oracle\_baseball\_league`.`CUSTOMERS`

(`customer\_number`,

`ctr\_email\_id`,

`first\_name`,

`last\_name`,

`phone\_number`,

`current\_balance`,

`sales\_rep\_id`)

VALUES(1560, 'john@yahoo.com','John','Doe',99910000,520.98,1);

INSERT INTO `oracle\_baseball\_league`.`CUSTOMERS`

(`customer\_number`,

`ctr\_email\_id`,

`first\_name`,

`last\_name`,

`phone\_number`,

`current\_balance`,

`sales\_rep\_id`)

VALUES(2092, 'jason23@gmail.com', 'Jason','Bourne',99900123,78.20,2);

## CUSTOMER ADDRESS

Table instance chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| CUSTOMER ADDRESSES | CAS | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | id | SMALLINT | 7 |
|  | \* | address\_line\_1 | VARCHAR | 255 |
|  | O | address\_line\_2 | VARCHAR | 255 |
|  | \* | city | VARCHAR | 25 |
|  | \* | postal\_code | MEDIUMINT | 6 |
| FK | \* | customer\_num | MEDIUMINT | 7 |

Sample data:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **id** | **address\_line\_1** | **address\_line\_2** | **city** | **postal\_code** | **customer\_num** |
| 1 | Ang Mo Kio Ave 12 | Blk 104 | Singapore | 337112 | 1560 |
| 2 | Yio Chu Kang Ave 15 | Blk 503 | Singapore | 098123 | 2092 |

#Insert into Customer\_Address

INSERT INTO `oracle\_baseball\_league`.`CUSTOMER\_ADDRESS`

(`id`,

`address\_line\_1`,

`address\_line\_2`,

`city`,

`postal\_code`,

`customer\_num`)

VALUES(1,'Ang Mo Kio Ave 12','Blk 104','Singapore',337112,1560);

INSERT INTO `oracle\_baseball\_league`.`CUSTOMER\_ADDRESS`

(`id`,

`address\_line\_1`,

`address\_line\_2`,

`city`,

`postal\_code`,

`customer\_num`)

VALUES(2,'Yio Chu Kang Ave 15','Blk 503','Singapore',098123,2092);

## TEAM REPRESENTATIVES

Table instance charts:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| TEAM REPRESENTATIVES | TRE | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | customer\_number | MEDIUMINT | 7 |
| UK | \* | tre\_email\_id | VARCHAR | 50 |
|  | \* | first\_name | VARCHAR | 255 |
|  | \* | last\_name | VARCHAR | 255 |
|  | \* | phone\_number | BIGINT | 15 |
|  | \* | current\_balance | DECIMAL | 6,2 |
|  | \* | team\_they\_belong\_to | TINYTEXT | 255 |
| FK, UK | \* | Team\_id | VARCHAR | 4 |
| FK | O | sales\_rep\_id | SMALLINT | 1 |

sample data:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **customer\_number** | **tre\_email\_id** | **first\_name** | **last\_name** | **phone\_number** | **current\_balance** | **team\_they\_belong\_to** | **team\_id** | **sales\_rep\_id** |
| 1560 | baseballangels900rep1@jbl.com | Marcus | Wong | 97001001 | 1250.98 | Baseball angels | 1 | 3 |
| 2092 | singaporelionsrep2@gmail.com | Ethan | Tan | 98882343 | 1451.32 | Singapore Lions | 2 | 4 |

#Insert into Team\_Representatives

INSERT INTO `oracle\_baseball\_league`.`TEAM\_REPRESENTATIVES`

(`customer\_number`,

`tre\_email\_id`,

`first\_name`,

`last\_name`,

`phone\_number`,

`current\_balance`,

`team\_they\_belong\_to`,

`team\_id`,

`sales\_rep\_id`)

VALUES(1560,'baseballangels900rep1@jbl.com','Marcus','Wong',97001001,1250.98,'BasTEAMSeball angels','A001',1);

INSERT INTO `oracle\_baseball\_league`.`TEAM\_REPRESENTATIVES`

(`customer\_number`,

`tre\_email\_id`,

`first\_name`,

`last\_name`,

`phone\_number`,

`current\_balance`,

`team\_they\_belong\_to`,

`team\_id`,

`sales\_rep\_id`)

VALUES(2092,'baseballangels900rep1@jbl.com','Marcus','Wong',97001001,1250.98,'BasTEAMSeball angels','A001',1);

## 

## INDIVIDUALS

Table instance chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| INDIVIDUALS | IDL | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | customer\_number | SMALLINT | 7 |
| UK | \* | idl\_email\_id | VARCHAR | 50 |
|  | \* | first\_name | VARCHAR | 255 |
|  | \* | last\_name | VARCHAR | 255 |
|  | \* | phone\_number | BIGINT | 15 |
|  | \* | current\_balance | DECIMAL | 5,2 |
| UK | O | loyalty\_card\_number | SMALLINT | 5 |
| FK | O | sales\_rep\_id | SMALLINT | 1 |

Sample data:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **customer\_number** | **Loyalty\_card\_number** | **idl\_email\_id** | **first\_name** | **last\_name** | **phone\_number** | **current\_balance** | **sales\_rep\_id** |
| 1560 | 11 | johnson91@gmail.com | John | Evans | 98223890 | 254.90 | 3 |
| 2092 | 21 | dante41@gmail.com | Dante | Virgil | 93123312 | 121.98 | 4 |

#Insert into Individuals

INSERT INTO `oracle\_baseball\_league`.`INDIVIDUALS`

(` customer\_number`,

`loyalty\_card\_number`,

`sales\_rep\_id`,

`idl\_email\_id`,

`first\_name`,

`last\_name`,

`phone\_number`,

`current\_balance`)

VALUES(1560, 11, 1,'johnson91@gmail.com','John','Evans',98223890,254.90,3);

INSERT INTO `oracle\_baseball\_league`.`INDIVIDUALS`

(` customer\_number`,

`loyalty\_card\_number`,

`sales\_rep\_id`,

`idl\_email\_id`,

`first\_name`,

`last\_name`,

`phone\_number`,

`current\_balance`)

VALUES(2092, 21, 1, '[dante41@gmail.com](mailto:dante41@gmail.com)','Dante','Virgil',98223890,254.90,4 );

## ORDERS

Table instance chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| ORDERS | ODR | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
| PK | \* | order\_id | VARCHAR | 15 |
|  | \* | date | DATE | 8 |
|  | \* | time | TIME | 6 |
|  | \* | number\_of\_units | MEDIUMINT | 6 |
| FK | \* | customer\_number | MEDIUMINT | 7 |

Sample data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **order\_id** | **date** | **time** | **number\_of\_units** | **customer\_num** |
| 1A | 2022-01-24 | 10:30:01 | 50 | 1560 |
| 1B | 2022-07-20 | 20:50:00 | 1000 | 2092 |

#Insert into Orders

INSERT INTO `oracle\_baseball\_league`.`ORDERS`

(`order\_id`,

`date`,

`time`,

`number\_of\_units`,

`customer\_number`)

VALUES('1A','2022-01-24','10:30:01',50,1560);

INSERT INTO `oracle\_baseball\_league`.`ORDERS`

(`order\_id`,

`date`,

`time`,

`number\_of\_units`,

`customer\_number`)

VALUES('1B','2022-07-20','20:50:00',1000,2092);

## ORDERED ITEMS

Table instance chart:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Table Name | Table Short Name | | | |
| ORDERED ITEMS | OIM | | | |
| **Key Type** | **Optionality** | **Column Name** | **Data type** | **Size** |
|  | \* | quantity\_ordered | SMALLINT | 5 |
|  | \* | quantity\_shipped | SMALLINT | 5 |
| PK, FK1 | \* | item\_number | INT |  |
| PK, FK2 | \* | order\_id | VARCHAR | 15 |

Sample data:

|  |  |  |  |
| --- | --- | --- | --- |
| **quantity\_ordered** | **quantity\_shipped** | **item\_number** | **order\_id** |
| 1000 | 1000 | 1 | 1A |
| 1000 | 1000 | 1 | 1B |

#Insert into Order\_Items

INSERT INTO `oracle\_baseball\_league`.`ORDERED\_ITEMS`

(`order\_id`,

`item\_number`,

`quantity\_ordered`,

`quantity\_shipped`)

VALUES('1A', 1, 1000, 1000);

INSERT INTO `oracle\_baseball\_league`.`ORDERED\_ITEMS`

(`order\_id`,

`item\_number`,

`quantity\_ordered`,

`quantity\_shipped`)

VALUES('1B', 1, 1000, 1000);