

Database

Lab skill 3

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Matric: B23 CS0060

Section: 06

Part 1

1.
 1. SELECT * FROM customers;
 2. SELECT * FROM teams;
 3. SELECT * FROM items;
2.
 1. SELECT ctr-number, first-name, last-name, email, phone-number
FROM customers;
 2. SELECT name, number-of-players
FROM teams;
 3. SELECT itm-number, description, category
FROM items;

Part 2

1.
 1. SELECT first-name, last-name, current-balance,
current-balance / 12 as monthly payment
FROM customers;
 2. SELECT first-name, last-name, ctr-number, current-balance,
current-balance - 5
FROM customers;
 3. Some ~~for~~ customer will have negative value if the
value is zero

2. 1. SELECT "FIRST-NAME", "LAST-NAME", "CURRENT-BALANCE",
"CURRENT-BALANCE"/12 as "MONTHLY-REPAYMENTS"
FROM customers;

3. 1. SELECT 'The' || name || ' has ' || number-of-players ||
' players and receives a discount of ' || discount || ' percent'
As "Team Information"
FROM teams;

2. The value of last team is NULL on discount

Part 3

1. 1. SELECT *
FROM customers
WHERE ctr-number = 'C01986';

2. SELECT "FIRST-NAME", "LAST-NAME", "CTR-NUMBER"
FROM customers
WHERE current-balance > 100;

3. SELECT "ID", "ODR-DATE", "ODR-TIME"
FROM orders
WHERE odr-date < '28-May-2019';

2. 1. SELECT "ID", "COST", "UNITS"
FROM inventory-list
WHERE cost BETWEEN 3.00 AND 15.00;

3. 1. SELECT "ID", "COST", "UNITS"
FROM inventory-list
WHERE units IN (50, 100, 150, 200);

4. 1. SELECT "ID", "COST", "UNITS"
FROM inventory-list
WHERE units NOT IN (50, 100, 150, 200);
5. 1. SELECT ~~itm-number~~, ~~name~~ "ITEM-NUMBER", "NAME"
FROM items
WHERE name LIKE 'g%';
6. 1. SELECT "ITEM-NUMBER", "NAME"
FROM items
WHERE name LIKE '% o %';

Part 4

1. 1. SELECT 'The ' || name || ' ^{team} has ' || number-of-players || '
players and does not receives a discount'
AS "Team Information"
FROM teams;
WHERE discount NULL;
2. SELECT 'The ' || name || ' team has ' || number-of-players || '
' players and receives a discount of ' || discount || '
' percent'
AS "Team Information"
FROM teams;
WHERE discount NOT NULL;
2. 1. SELECT "CTR-NUMBER", "ADDRESS-LINE-1", ~~"ADDRESS~~
~~"LINE-2"~~, "ZIP-CODE"
FROM customers-addresses
WHERE city = 'Liverpool' AND address-line-2 = 'Starford';

3. 1. SELECT "CTR-NUMBER", "ADDRESS-LINE-1", ~~"ADDRESS-LINE-2"~~, "ZIP-CODE"
FROM customers-addresses
WHERE city = 'Liverpool' OR address-line-2 = 'starkford';
4. 1. SELECT "CTR-NUMBER", "ADDRESS-LINE-1", "ZIP-CODE"
FROM customers-addresses
WHERE city != 'Liverpool';

Part 5

1. SELECT "NAME", "NUMBER-OF-PLAYERS"
FROM team
ORDER BY name ASC;
2. SELECT "NAME", "NUMBER-OF-PLAYERS"
FROM team
ORDER BY name DESC;
3. SELECT "NAME" AS TEAM-NAME, "NUMBER-OF-PLAYERS"
AS PLAYERS
FROM ~~TEAM-NAME~~ teams
ORDER BY TEAM-NAME DESC;

Part 6

1. SELECT "FIRST-NAME" || ' ' || "LAST-NAME" AS "CUSTOMER-NAME"
FROM customers
ORDER BY ctr-number ASC
FETCH FIRST 3 ROWS ONLY;
2. ACCEPT commission-rate NUMBER PROMPT 'Enter Commission rate: '
SELECT "FIRST-NAME", "LAST-NAME", "COMMISSION-RATE"
FROM sales-representatives
WHERE commission-rate = commission-rate
ORDER BY last-name;