

```
CREATE SCHEMA if not exists FruitsAndVeggies;  
USE FruitsAndVeggies;
```

```
CREATE TABLE AllFruits2024(  
  fruit          VARCHAR(50),  
  form           VARCHAR(50),  
  average_retail_price  DECIMAL(5, 2),  
  price_unit      TEXT,  
  preparation_yield_factor  DECIMAL(3, 2),  
  cup_equivalent_size   DECIMAL(5, 3),  
  cup_equivalent_unit   TEXT,  
  average_price_per_cup DECIMAL(4, 2),  
  PRIMARY KEY (fruit, form));
```

```
/* Created the table, used the CSV file to import ALL FRUITS data from 2022, for  
this project, average_retail_price will be the cost the customer pays  
for the product and average_price_per_cup will be the price a business pays for the  
product  
*/
```

```
RENAME TABLE AllFruits2024 TO AllFruits2022;
```

```
/* Realized I named the table wrong, fixed it  
*/
```

```
SELECT * FROM AllFruits2022;
```

```
CREATE TABLE AllVeggies2022(  
  vegetable      VARCHAR(50),  
  form           VARCHAR(50),  
  average_retail_price  DECIMAL(5, 2),  
  price_unit      TEXT,  
  preparation_yield_factor  DECIMAL(3, 2),  
  cup_equivalent_size   DECIMAL(5, 3),  
  cup_equivalent_unit   TEXT,  
  average_price_per_cup DECIMAL(4, 2),  
  PRIMARY KEY (vegetable, form));
```

```
/* Created the table, used the CSV file to import ALL VEGETABLES data from 2022  
*/
```

```
SELECT * FROM AllVeggies2022;
```

```
CREATE TABLE AllFruits2020(  
  fruit          VARCHAR(50),  
  form           VARCHAR(50),  
  average_retail_price  DECIMAL(5, 2),  
  price_unit      TEXT,  
  preparation_yield_factor  DECIMAL(3, 2),  
  cup_equivalent_size   DECIMAL(5, 3),  
  cup_equivalent_unit   TEXT,  
  average_price_per_cup DECIMAL(4, 2),  
  PRIMARY KEY (fruit, form));
```

```
/* Created the table, used the CSV file to import ALL FRUITS data from 2020  
*/
```

```
SELECT * FROM AllFruits2020;
```

```

CREATE TABLE AllVeggies2020(
vegetable          VARCHAR(50),
form              VARCHAR(50),
average_retail_price  DECIMAL(5, 2),
price_unit         TEXT,
preparation_yield_factor DECIMAL(3, 2),
cup_equivalent_size  DECIMAL(5, 3),
cup_equivalent_unit  TEXT,
average_price_per_cup DECIMAL(4, 2),
PRIMARY KEY (vegetable, form));

```

```

/* Created the table, used the CSV file to import ALL VEGETABLES data from 2020
*/

```

```

SELECT * FROM AllVeggies2020;

```

```

CREATE TABLE AllFruits2016(
fruit             VARCHAR(50),
form             VARCHAR(50),
average_retail_price  DECIMAL(5, 2),
price_unit        TEXT,
preparation_yield_factor DECIMAL(3, 2),
cup_equivalent_size  DECIMAL(5, 3),
cup_equivalent_unit  TEXT,
average_price_per_cup DECIMAL(4, 2),
PRIMARY KEY (fruit, form));

```

```

/* Created the table, turned individual excel spreadsheets into CSV file, used the
CSV file to import ALL FRUITS data from 2016
*/

```

```

SELECT * FROM AllFruits2016;

```

```

CREATE TABLE AllVeggies2016(
vegetable          VARCHAR(50),
form              VARCHAR(50),
average_retail_price  DECIMAL(5, 2),
price_unit         TEXT,
preparation_yield_factor DECIMAL(3, 2),
cup_equivalent_size  DECIMAL(5, 3),
cup_equivalent_unit  TEXT,
average_price_per_cup DECIMAL(4, 2),
PRIMARY KEY (vegetable, form));

```

```

/* Created the table, turned individual excel spreadsheets into CSV file, used the
CSV file to import ALL VEGETABLES data from 2016
*/

```

```

SELECT * FROM AllVeggies2016;

```

```

CREATE TABLE AllFruits2013(
fruit             VARCHAR(50),
form             VARCHAR(50),
average_retail_price  DECIMAL(5, 2),
price_unit        TEXT,
preparation_yield_factor DECIMAL(3, 2),
cup_equivalent_size  DECIMAL(5, 3),
cup_equivalent_unit  TEXT,
average_price_per_cup DECIMAL(4, 2),

```

```
PRIMARY KEY (fruit, form));
```

```
/* Created the table, turned individual excel spreadsheets into CSV file, used the  
CSV file to import ALL FRUITS data from 2013  
*/
```

```
SELECT * FROM AllFruits2013;
```

```
CREATE TABLE AllVeggies2013(  
vegetable          VARCHAR(50),  
form              VARCHAR(50),  
average_retail_price    DECIMAL(5, 2),  
price_unit          TEXT,  
preparation_yield_factor    DECIMAL(3, 2),  
cup_equivalent_size    DECIMAL(5, 3),  
cup_equivalent_unit    TEXT,  
average_price_per_cup    DECIMAL(4, 2),  
PRIMARY KEY (vegetable, form));
```

```
/* Created the table, turned individual excel spreadsheets into CSV file, used the  
CSV file to import ALL FRUITS data from 2013  
*/
```

```
SELECT * FROM AllVeggies2013;
```

```
/* 1. Average price of fruits and veggies for the customer price each year  
*/
```

```
SELECT AVG(average_retail_price) AS avg_fruit_price2013  
FROM AllFruits2013;
```

```
SELECT AVG(average_retail_price) AS avg_veg_price2013  
FROM AllVeggies2013;
```

```
SELECT AVG(average_retail_price) AS avg_fruit_price2016  
FROM AllFruits2016;
```

```
SELECT AVG(average_retail_price) AS avg_veg_price2016  
FROM AllVeggies2016;
```

```
SELECT AVG(average_retail_price) AS avg_fruit_price2020  
FROM AllFruits2020;
```

```
SELECT AVG(average_retail_price) AS avg_veg_price2020  
FROM AllVeggies2020;
```

```
SELECT AVG(average_retail_price) AS avg_fruit_price2022  
FROM AllFruits2022;
```

```
SELECT AVG(average_retail_price) AS avg_veg_price2022  
FROM AllVeggies2022;
```

```
/* 2. Average price of fruits and veggies for the business price each year
```

\*/

```
SELECT AVG(average_price_per_cup) AS avg_fruit_cost2013
FROM AllFruits2013;
```

```
SELECT AVG(average_price_per_cup) AS avg_veg_cost2013
FROM AllVeggies2013;
```

```
SELECT AVG(average_price_per_cup) AS avg_fruit_cost2016
FROM AllFruits2016;
```

```
SELECT AVG(average_price_per_cup) AS avg_veg_cost2016
FROM AllVeggies2016;
```

```
SELECT AVG(average_price_per_cup) AS avg_fruit_cost2020
FROM AllFruits2020;
```

```
SELECT AVG(average_price_per_cup) AS avg_veg_cost2020
FROM AllVeggies2020;
```

```
SELECT AVG(average_price_per_cup) AS avg_fruit_cost2022
FROM AllFruits2022;
```

```
SELECT AVG(average_price_per_cup) AS avg_veg_cost2022
FROM AllVeggies2022;
```

/\* 3. Finding the cheapest fruit and veggie for both customer price and business cost for each year

\*/

```
SELECT * FROM AllFruits2013
ORDER BY average_retail_price ASC LIMIT 1;
```

```
SELECT * FROM AllVeggies2013
ORDER BY average_retail_price ASC LIMIT 1;
```

```
SELECT * FROM AllFruits2013
ORDER BY average_price_per_cup ASC LIMIT 1;
```

```
SELECT * FROM AllVeggies2013
ORDER BY average_price_per_cup ASC LIMIT 1;
```

```
SELECT * FROM AllFruits2016
ORDER BY average_retail_price ASC LIMIT 1;
```

```
SELECT * FROM AllVeggies2016
ORDER BY average_retail_price ASC LIMIT 1;
```

```
SELECT * FROM AllFruits2016
ORDER BY average_price_per_cup ASC LIMIT 1;
```

```
SELECT * FROM AllVeggies2016
ORDER BY average_price_per_cup ASC LIMIT 1;
```

```
SELECT * FROM AllFruits2020
ORDER BY average_retail_price ASC LIMIT 1;
```

```
SELECT * FROM AllVeggies2020
ORDER BY average_retail_price ASC LIMIT 1;
```

```
SELECT * FROM AllFruits2020
ORDER BY average_price_per_cup ASC LIMIT 1;
```

```
SELECT * FROM AllVeggies2020
ORDER BY average_price_per_cup ASC LIMIT 1;
```

```
SELECT * FROM AllFruits2022
ORDER BY average_retail_price ASC LIMIT 1;
```

```
SELECT * FROM AllVeggies2022
ORDER BY average_retail_price ASC LIMIT 1;
```

```
SELECT * FROM AllFruits2022
ORDER BY average_price_per_cup ASC LIMIT 1;
```

```
SELECT * FROM AllVeggies2022
ORDER BY average_price_per_cup ASC LIMIT 1;
```

```
/* 4. Finding the most expensive fruit and veggie for both customer price and
business cost for 2013, 2016, 2020,
and 2022
*/
```

```
SELECT * FROM AllFruits2013
ORDER BY average_retail_price DESC LIMIT 1;
```

```
SELECT * FROM AllVeggies2013
ORDER BY average_retail_price DESC LIMIT 1;
```

```
SELECT * FROM AllFruits2013
ORDER BY average_price_per_cup DESC LIMIT 1;
```

```
SELECT * FROM AllVeggies2013
ORDER BY average_price_per_cup DESC LIMIT 1;
```

```
SELECT * FROM AllFruits2016
ORDER BY average_retail_price DESC LIMIT 1;
```

```
SELECT * FROM AllVeggies2016
ORDER BY average_retail_price DESC LIMIT 1;
```

```
SELECT * FROM AllFruits2016
ORDER BY average_price_per_cup DESC LIMIT 1;
```

```
SELECT * FROM AllVeggies2016
ORDER BY average_price_per_cup DESC LIMIT 1;
```

```
SELECT * FROM AllFruits2020
ORDER BY average_retail_price DESC LIMIT 1;
```

```
SELECT * FROM AllVeggies2020
ORDER BY average_retail_price DESC LIMIT 1;
```

```
SELECT * FROM AllFruits2020
ORDER BY average_price_per_cup DESC LIMIT 1;
```

```
SELECT * FROM AllVeggies2020
ORDER BY average_price_per_cup DESC LIMIT 1;
```

```
SELECT * FROM AllFruits2022
ORDER BY average_retail_price DESC LIMIT 1;
```

```
SELECT * FROM AllVeggies2022
ORDER BY average_retail_price DESC LIMIT 1;
```

```
SELECT * FROM AllFruits2022
ORDER BY average_price_per_cup DESC LIMIT 1;
```

```
SELECT * FROM AllVeggies2022
ORDER BY average_price_per_cup DESC LIMIT 1;
```

```
/* 5. Fruits and veggies by year for options under one dollar per unit for
customers
*/
```

```
SELECT fruit, average_retail_price FROM AllFruits2013 WHERE average_retail_price <
1.00;
```

```
SELECT fruit, average_retail_price FROM AllFruits2016 WHERE average_retail_price <
1.00;
```

```
SELECT fruit, average_retail_price FROM AllFruits2020 WHERE average_retail_price <
1.00;
```

```
SELECT fruit, average_retail_price FROM AllFruits2022 WHERE average_retail_price <
1.00;
```

```
SELECT vegetable, average_retail_price FROM AllVeggies2013 WHERE
average_retail_price < 1.00;
```

```
SELECT vegetable, average_retail_price FROM AllVeggies2016 WHERE
average_retail_price < 1.00;
```

```
SELECT vegetable, average_retail_price FROM AllVeggies2020 WHERE
average_retail_price < 1.00;
```

```
SELECT vegetable, average_retail_price FROM AllVeggies2022 WHERE
```

```
average_retail_price < 1.00;
```

```
/* 6. Average price per pound for business and customer  
*/
```

```
SELECT AVG(average_retail_price) AS cust_average_price_lb1 FROM AllFruits2013;
```

```
SELECT AVG(average_retail_price) AS cust_average_price_lb2 FROM AllFruits2016;
```

```
SELECT AVG(average_retail_price) AS cust_average_price_lb3 FROM AllFruits2020;
```

```
SELECT AVG(average_retail_price) AS cust_average_price_lb4 FROM AllFruits2022;
```

```
SELECT AVG(average_retail_price) AS cust_average_price_lb5 FROM AllVeggies2013;
```

```
SELECT AVG(average_retail_price) AS cust_average_price_lb6 FROM AllVeggies2016;
```

```
SELECT AVG(average_retail_price) AS cust_average_price_lb7 FROM AllVeggies2020;
```

```
SELECT AVG(average_retail_price) AS cust_average_price_lb8 FROM AllVeggies2022;
```

```
SELECT AVG(average_price_per_cup) AS bus_average_price_lb1 FROM AllFruits2013;
```

```
SELECT AVG(average_price_per_cup) AS bus_average_price_lb2 FROM AllFruits2016;
```

```
SELECT AVG(average_price_per_cup) AS bus_average_price_lb3 FROM AllFruits2020;
```

```
SELECT AVG(average_price_per_cup) AS bus_average_price_lb4 FROM AllFruits2022;
```

```
SELECT AVG(average_price_per_cup) AS bus_average_price_lb5 FROM AllVeggies2013;
```

```
SELECT AVG(average_price_per_cup) AS bus_average_price_lb6 FROM AllVeggies2016;
```

```
SELECT AVG(average_price_per_cup) AS bus_average_price_lb7 FROM AllVeggies2020;
```

```
SELECT AVG(average_price_per_cup) AS bus_average_price_lb8 FROM AllVeggies2022;
```

```
/* 7. Average price by form (canned, dried, fresh, etc.) for customers  
*/
```

```
SELECT form, AVG(average_retail_price) AS cust_avg_price_form1  
FROM AllFruits2013 GROUP BY form;
```

```
SELECT form, AVG(average_retail_price) AS cust_avg_price_form2  
FROM AllFruits2016 GROUP BY form;
```

```
SELECT form, AVG(average_retail_price) AS cust_avg_price_form3  
FROM AllFruits2020 GROUP BY form;
```

```
SELECT form, AVG(average_retail_price) AS cust_avg_price_form4  
FROM AllFruits2022 GROUP BY form;
```

```
SELECT form, AVG(average_retail_price) AS cust_avg_price_form5
FROM AllVeggies2013 GROUP BY form;
```

```
SELECT form, AVG(average_retail_price) AS cust_avg_price_form6
FROM AllVeggies2016 GROUP BY form;
```

```
SELECT form, AVG(average_retail_price) AS cust_avg_price_form7
FROM AllVeggies2020 GROUP BY form;
```

```
SELECT form, AVG(average_retail_price) AS cust_avg_price_form8
FROM AllVeggies2022 GROUP BY form;
```

```
/* 8. Average price by form (canned, dried, fresh, etc.) for a business
*/
```

```
SELECT form, AVG(average_price_per_cup) AS bus_avg_price_1
FROM AllFruits2013 GROUP BY form;
```

```
SELECT form, AVG(average_price_per_cup) AS bus_avg_price_2
FROM AllFruits2016 GROUP BY form;
```

```
SELECT form, AVG(average_price_per_cup) AS bus_avg_price_3
FROM AllFruits2020 GROUP BY form;
```

```
SELECT form, AVG(average_price_per_cup) AS bus_avg_price_4
FROM AllFruits2022 GROUP BY form;
```

```
SELECT form, AVG(average_price_per_cup) AS bus_avg_price_5
FROM AllVeggies2013 GROUP BY form;
```

```
SELECT form, AVG(average_price_per_cup) AS bus_avg_price_6
FROM AllVeggies2016 GROUP BY form;
```

```
SELECT form, AVG(average_price_per_cup) AS bus_avg_price_7
FROM AllVeggies2020 GROUP BY form;
```

```
SELECT form, AVG(average_price_per_cup) AS bus_avg_price_8
FROM AllVeggies2022 GROUP BY form;
```

```
/* 9. Count of item by form
*/
```

```
SELECT form, COUNT(*) AS fruit_form_count1
FROM AllFruits2013 GROUP BY form;
```

```
SELECT form, COUNT(*) AS fruit_form_count2
FROM AllFruits2016 GROUP BY form;
```

```
SELECT form, COUNT(*) AS fruit_form_count3
FROM AllFruits2020 GROUP BY form;
```

```
SELECT form, COUNT(*) AS fruit_form_count4
FROM AllFruits2022 GROUP BY form;
```



```
SELECT form, COUNT(*) AS veggie_form_count1
FROM AllVeggies2013 GROUP BY form;
```

```
SELECT form, COUNT(*) AS veggie_form_count2
FROM AllVeggies2016 GROUP BY form;
```

```
SELECT form, COUNT(*) AS veggie_form_count3
FROM AllVeggies2020 GROUP BY form;
```

```
SELECT form, COUNT(*) AS veggie_form_count4
FROM AllVeggies2022 GROUP BY form;
```

```
/* 10. Items that are above the customer median price for fruits and veggies,
median = middle price of item count
*/
```

```
SELECT fruit, average_retail_price
FROM AllFruits2013
WHERE average_retail_price > (SELECT AVG(average_retail_price)
FROM (SELECT average_retail_price FROM AllFruits2013 ORDER BY
average_retail_price)
AS median_price);
```

```
SELECT fruit, average_retail_price
FROM AllFruits2016
WHERE average_retail_price > (SELECT AVG(average_retail_price)
FROM (SELECT average_retail_price FROM AllFruits2016 ORDER BY
average_retail_price)
AS median_price);
```

```
SELECT fruit, average_retail_price
FROM AllFruits2020
WHERE average_retail_price > (SELECT AVG(average_retail_price)
FROM (SELECT average_retail_price FROM AllFruits2020 ORDER BY
average_retail_price)
AS median_price);
```

```
SELECT fruit, average_retail_price
FROM AllFruits2020
WHERE average_retail_price > (SELECT AVG(average_retail_price)
FROM (SELECT average_retail_price FROM AllFruits2020 ORDER BY
average_retail_price)
AS median_price);
```

```
SELECT vegetable, average_retail_price
FROM AllVeggies2013
WHERE average_retail_price > (SELECT AVG(average_retail_price)
FROM (SELECT average_retail_price FROM AllVeggies2013 ORDER BY
average_retail_price)
AS median_price);
```

```
SELECT vegetable, average_retail_price
FROM AllVeggies2020
WHERE average_retail_price > (SELECT AVG(average_retail_price)
FROM (SELECT average_retail_price FROM AllVeggies2020 ORDER BY
average_retail_price)
AS median_price);
```

```

SELECT vegetable, average_retail_price
  FROM AllVeggies2022
 WHERE average_retail_price > (SELECT AVG(average_retail_price)
                               FROM (SELECT average_retail_price FROM AllVeggies2022 ORDER BY
average_retail_price)
                               AS median_price);

```

```

/* 11. Cheapest fruit and veggie for customer by form
*/

```

```

SELECT fruit, form, average_retail_price
  FROM AllFruits2013 a
 WHERE average_retail_price = (SELECT MIN(average_retail_price)
                               FROM AllFruits2013
                               WHERE form = a.form);

```

```

SELECT fruit, form, average_retail_price
  FROM AllFruits2016 b
 WHERE average_retail_price = (SELECT MIN(average_retail_price)
                               FROM AllFruits2016
                               WHERE form = b.form);

```

```

SELECT fruit, form, average_retail_price
  FROM AllFruits2020 c
 WHERE average_retail_price = (SELECT MIN(average_retail_price)
                               FROM AllFruits2020
                               WHERE form = c.form);

```

```

SELECT fruit, form, average_retail_price
  FROM AllFruits2022 d
 WHERE average_retail_price = (SELECT MIN(average_retail_price)
                               FROM AllFruits2022
                               WHERE form = d.form);

```

```

SELECT vegetable, form, average_retail_price
  FROM AllVeggies2013 a
 WHERE average_retail_price = (SELECT MIN(average_retail_price)
                               FROM AllVeggies2013
                               WHERE form = a.form);

```

```

SELECT vegetable, form, average_retail_price
  FROM AllVeggies2016 b
 WHERE average_retail_price = (SELECT MIN(average_retail_price)
                               FROM AllVeggies2016
                               WHERE form = b.form);

```

```

SELECT vegetable, form, average_retail_price
  FROM AllVeggies2020 c
 WHERE average_retail_price = (SELECT MIN(average_retail_price)
                               FROM AllVeggies2020
                               WHERE form = c.form);

```

```

SELECT vegetable, form, average_retail_price
  FROM AllVeggies2022 d
 WHERE average_retail_price = (SELECT MIN(average_retail_price)
                               FROM AllVeggies2022

```

WHERE form = d.form);

/\* 12. Least profitable fruit and veggie for a business  
\*/

```
SELECT fruit, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit1  
FROM AllFruits2013  
ORDER BY profit1 ASC LIMIT 1;
```

```
SELECT fruit, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit2  
FROM AllFruits2016  
ORDER BY profit2 ASC LIMIT 1;
```

```
SELECT fruit, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit3  
FROM AllFruits2020  
ORDER BY profit3 ASC LIMIT 1;
```

```
SELECT fruit, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit4  
FROM AllFruits2022  
ORDER BY profit4 ASC LIMIT 1;
```

```
SELECT vegetable, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit5  
FROM AllVeggies2013  
ORDER BY profit5 ASC LIMIT 1;
```

```
SELECT vegetable, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit6  
FROM AllVeggies2016  
ORDER BY profit6 ASC LIMIT 1;
```

```
SELECT vegetable, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit7  
FROM AllVeggies2020  
ORDER BY profit7 ASC LIMIT 1;
```

```
SELECT vegetable, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit8  
FROM AllVeggies2022  
ORDER BY profit8 ASC LIMIT 1;
```

/\* 13. Most profitable fruit and veggie for a business  
\*/

```
SELECT fruit, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit1  
FROM AllFruits2013  
ORDER BY profit1 DESC LIMIT 1;
```

```
SELECT fruit, form, average_price_per_cup, average_retail_price,  
       (average_retail_price - average_price_per_cup) AS profit2  
FROM AllFruits2016  
ORDER BY profit2 DESC LIMIT 1;
```

```

SELECT fruit, form, average_price_per_cup, average_retail_price,
       (average_retail_price - average_price_per_cup) AS profit3
FROM AllFruits2020
ORDER BY profit3 DESC LIMIT 1;

```

```

SELECT fruit, form, average_price_per_cup, average_retail_price,
       (average_retail_price - average_price_per_cup) AS profit4
FROM AllFruits2022
ORDER BY profit4 DESC LIMIT 1;

```

```

SELECT vegetable, form, average_price_per_cup, average_retail_price,
       (average_retail_price - average_price_per_cup) AS profit5
FROM AllVeggies2013
ORDER BY profit5 DESC LIMIT 1;

```

```

SELECT vegetable, form, average_price_per_cup, average_retail_price,
       (average_retail_price - average_price_per_cup) AS profit6
FROM AllVeggies2016
ORDER BY profit6 DESC LIMIT 1;

```

```

SELECT vegetable, form, average_price_per_cup, average_retail_price,
       (average_retail_price - average_price_per_cup) AS profit7
FROM AllVeggies2020
ORDER BY profit7 DESC LIMIT 1;

```

```

SELECT vegetable, form, average_price_per_cup, average_retail_price,
       (average_retail_price - average_price_per_cup) AS profit8
FROM AllVeggies2022
ORDER BY profit8 DESC LIMIT 1;

```

```

/* 14. Join fruits and veggies to see consumer price change from 2013 to 2022
*/

```

```

SELECT AllFruits2013.fruit,
       AllFruits2013.form,
       AllFruits2013.average_retail_price AS price_13,
       AllFruits2016.average_retail_price AS price_16,
       AllFruits2020.average_retail_price AS price_20,
       AllFruits2022.average_retail_price AS price_22,
       (AllFruits2022.average_retail_price - AllFruits2013.average_retail_price) AS
overall_difference
FROM AllFruits2013
JOIN AllFruits2016
    ON AllFruits2013.fruit = AllFruits2016.fruit AND AllFruits2013.form =
AllFruits2016.form
JOIN AllFruits2020
    ON AllFruits2013.fruit = AllFruits2020.fruit AND AllFruits2013.form =
AllFruits2020.form
JOIN AllFruits2022
    ON AllFruits2013.fruit = AllFruits2022.fruit AND AllFruits2013.form =
AllFruits2020.form;

```

```

SELECT AllVeggies2013.vegetable,
       AllVeggies2013.form,

```

```

        AllVeggies2013.average_retail_price AS price_13,
        AllVeggies2016.average_retail_price AS price_16,
        AllVeggies2020.average_retail_price AS price_20,
        AllVeggies2022.average_retail_price AS price_22,
        (AllVeggies2022.average_retail_price - AllVeggies2013.average_retail_price)
AS overall_difference
FROM AllVeggies2013
JOIN AllVeggies2016
    ON AllVeggies2013.vegetable = AllVeggies2016.vegetable AND
AllVeggies2013.form = AllVeggies2016.form
JOIN AllVeggies2020
    ON AllVeggies2013.vegetable = AllVeggies2020.vegetable AND
AllVeggies2013.form = AllVeggies2020.form
JOIN AllVeggies2022
    ON AllVeggies2013.vegetable = AllVeggies2022.vegetable AND
AllVeggies2013.form = AllVeggies2022.form;

/* 15. Join fruits and veggies to see all business cost change from 2013 to 2022
*/

```

```

SELECT AllFruits2013.fruit,
        AllFruits2013.form,
        AllFruits2013.average_price_per_cup AS price_13,
        AllFruits2016.average_price_per_cup AS price_16,
        AllFruits2020.average_price_per_cup AS price_20,
        AllFruits2022.average_price_per_cup AS price_22,
        (AllFruits2022.average_price_per_cup - AllFruits2013.average_price_per_cup)
AS overall_difference
FROM AllFruits2013
JOIN AllFruits2016
    ON AllFruits2013.fruit = AllFruits2016.fruit AND AllFruits2013.form =
AllFruits2016.form
JOIN AllFruits2020
    ON AllFruits2013.fruit = AllFruits2020.fruit AND AllFruits2013.form =
AllFruits2020.form
JOIN AllFruits2022
    ON AllFruits2013.fruit = AllFruits2022.fruit AND AllFruits2013.form =
AllFruits2022.form;

```

```

SELECT AllVeggies2013.vegetable,
        AllVeggies2013.form,
        AllVeggies2013.average_price_per_cup AS price_13,
        AllVeggies2016.average_price_per_cup AS price_16,
        AllVeggies2020.average_price_per_cup AS price_20,
        AllVeggies2022.average_price_per_cup AS price_22,
        (AllVeggies2022.average_price_per_cup -
AllVeggies2013.average_price_per_cup) AS overall_difference
FROM AllVeggies2013
JOIN AllVeggies2016
    ON AllVeggies2013.vegetable = AllVeggies2016.vegetable AND
AllVeggies2013.form = AllVeggies2016.form
JOIN AllVeggies2020
    ON AllVeggies2013.vegetable = AllVeggies2020.vegetable AND
AllVeggies2013.form = AllVeggies2020.form
JOIN AllVeggies2022
    ON AllVeggies2013.vegetable = AllVeggies2022.vegetable AND
AllVeggies2013.form = AllVeggies2022.form;

```