

1. Find Products with High Fat and Non-Recyclable

Problem: Write a query to find the product IDs of products that are **not low fat** and **not recyclable**.

Table: Products

product_id	low_fats	recyclable
0	Y	N
1	Y	Y
2	N	Y
3	Y	Y
4	N	N

Query:

```
sql                                                                    Copy Edit

SELECT
    product_id
FROM
    Products
WHERE
    low_fats = 'N' AND recyclable = 'N';
```

Output:

product_id

4





2. List Products That Are Either Low Fat or Recyclable

Problem: Write a query to find the product IDs of products that are either **low fat** or **recyclable**.

Table: Same as above.

Query:


sql

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```
SELECT
    product_id
FROM
    Products
WHERE
    low_fats = 'Y' OR recyclable = 'Y';
```

Output:

product_id
0
1
2
3



3. Count Total Low Fat Products

Problem: Write a query to count the total number of low-fat products.

Query:

```
sql

SELECT
    COUNT(*) AS total_low_fat
FROM
    Products
WHERE
    low_fats = 'Y';
```

Output:

total_low_fat
3





4. Find Non-Recyclable Products

Problem: Write a query to get the product IDs of non-recyclable products.

Query:

sql

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```
SELECT
    product_id
FROM
    Products
WHERE
    recyclable = 'N';
```

Output:

product_id
0
4





5. Find Products with Low Fat but Not Recyclable

Problem: Write a query to find the product IDs of products that are low fat but not recyclable.

Query:

sql

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```
SELECT
    product_id
FROM
    Products
WHERE
    low_fats = 'Y' AND recyclable = 'N';
```

Output:

product_id

0




6. Find Products That Are Recyclable or Non-Low Fat

Problem: Write a query to find the product IDs of products that are either **recyclable** or **not low fat**.

Query:

sql

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```
SELECT
    product_id
FROM
    Products
WHERE
    recyclable = 'Y' OR low_fats = 'N';
```

Output:

product_id
1
2
3
4





7. Count Total Products

Problem: Write a query to count the total number of products in the table.

Query:

sql

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```
SELECT
    COUNT(*) AS total_products
FROM
    Products;
```

Output:

total_products
5




8. Find Recyclable Products

Problem: Write a query to get the product IDs of recyclable products.

Query:


sql

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```
SELECT
    product_id
FROM
    Products
WHERE
    recyclable = 'Y';
```

Output:

product_id
1
2
3




9. List Products That Are Not Low Fat

Problem: Write a query to find the product IDs of products that are **not low fat**.


Query:

sql

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```
SELECT
    product_id
FROM
    Products
WHERE
    low_fats = 'N';
```

Output:



product_id	
2	
4	

10. List Products with Both Conditions Not Satisfied

Problem: Write a query to find the product IDs of products where both **low fat** and **recyclable** conditions are not satisfied.

Query:

sql

 Copy  Edit

```
SELECT
    product_id
FROM
    Products
WHERE
    low_fats = 'N' AND recyclable = 'N';
```

Output:

product_id
4

