

8 Principles of Clean SQL Code

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Consistent Naming Convention



-- AVOID THIS

```
SELECT  
    late_customers_clean AS lateCustomers,  
    returning_customers_clean AS returning_customers
```

-- DO THIS

```
SELECT  
    late_customers_clean AS late_customers,  
    returning_customers_clean AS returning_customers
```

Uppercase Keywords



-- AVOID THIS

```
select sql  
from analyst_skills
```

-- DO THIS

```
SELECT sql  
FROM analyst_skills
```

Explain Your Code with Comments



```
-- AVOID THIS
```

```
FROM
    product_table as products
JOIN customer_table as customers
USING (customer_id)
```

```
-- DO THIS
```

```
-- Joining both the products table and customer table for segmentation
--analysis
```

```
FROM
    product_table as products
JOIN customer_table as customers
USING (customer_id)
```

Meaningful Alias



-- AVOID THIS

FROM product_table as p

-- DO THIS

FROM product_table as products

Avoid Line Wrapping



```
-- AVOID THIS
```

```
WHERE products.sales>45
```

```
-- DO THIS
```

```
WHERE products.sales > 45
```


One Term Per Line



-- AVOID THIS

```
SELECT sql, python, excel  
FROM analyst_skills
```

-- DO THIS

```
SELECT  
    sql  
    ,python  
    ,excel  
FROM  
    analyst_skills
```

Indent Your Code



-- AVOID THIS

```
SELECT sql, python, excel  
FROM analyst_skills
```

-- DO THIS

```
SELECT  
    sql  
    ,python  
    ,excel  
FROM  
    analyst_skills
```


Avoid SELECT *



-- AVOID THIS

```
SELECT *  
FROM analyst_skills
```

-- DO THIS

```
SELECT  
    sql  
    ,python  
    ,excel  
    ,tableau  
    ,power_bi  
FROM  
    analyst_skills
```