

Bad Code Is Like Swearing Around Children

Pg{{UNIT_OF_TIME}} - {{PG_PLACE}}
{{MM - YYYY}}
Corey Huinker

**Bad Code Is Like Swearing Around
Children**

**Some of your code is bad,
and you should feel bad.**

Like this:

```
-----  
-- file universal_orm.sql  
--  
production_database# Create Table  
Entity_Value (  
    Entity text NOT NULL,  
    Value text NOT NULL  
);
```

Comment On Table Entity_Value is 'we can decompose any object with this!';

Or this:

```
-----  
-- file update_enrollment.sql  
--  
FOR c1 IN (SELECT * FROM users)  
LOOP  
    IF c1.keep = true THEN  
        UPDATE users SET year = year + 1 WHERE id = c1.id;  
    END IF;  
END LOOP;
```

Or This:

```
Module HelloWorld
    ' every console app starts with Main
    Sub Main( )
        System.Console.WriteLine("Hello World")
    End Sub
End Module
```

~~Children~~ new programmers often run programs to see what they do.

They cannot run what they cannot find.

Like This:

```
--  
-- file: refresh.sql  
--  
-- refresh sales table  
  
-- begin;  
  
truncate table sales;  
  
insert into sales select * from test_scaffolding_sales;  
  
-- commit;
```


Like this:

```
$ cat make_morrison.sh
#!/bin/bash
#
# filter to be like Jim Morrison
#
sed -e 's/blue/azure/g' | \
    sed -e 's/(dollars|euros)/dubloons/g' \
    sed -e 's/deep/deep dark/g' \
    sed -e 's/dark/darkest/g'
```

Wasting code is bad, right?

Hey! Here's some code to copy!

```
def retrieve_sales(sales_date):
    conn = psycopg2.connect('')
    curs = conn.cursor()
    curs.execute('select * from sales')
    while row in curs:
        if row[7] >= sales_date:
            yield row[0]

def retrieve_sales_efficient(curs, p_sales_date):
    curs.execute(''SELECT id FROM sales
        WHERE sales_date >= %s'', [p_sales_date])
    for (id,) in curs:
        yield id
```

Dead Code Just wastes your time...

...compiling

...refactoring

...unit tests

...confusing the young'uns

Part of the python 2->3 upgrade...

```
def seemingly_important_function():  
    # critical infrastructure  
    print 'critical infrastructure'  
    while unit_of_work = module.get_work():  
        submit_work(unit_of_work)
```

Ways To Make It Better

**Don't Comment Out Unused Code
Delete It.**

Clean up after yourself:

```
--- before.py 2019-03-18 20:11:15.000000000 -0400
+++ after.py 2019-03-18 20:11:26.000000000 -0400
@@ -1,11 +1,3 @@
-def retrieve_sales(sales_date):
-    conn = psycopg2.connect('')
-    curs = conn.cursor()
-    curs.execute('select * from sales')
-    while row in curs:
-        if row[7] >= sales_date:
-            yield row[0]
-
def retrieve_sales_efficient(curs, p_sales_date):
```


Add context to blogs/posts:

```
# SELECT current_date as date_of_example,  
        : 'VERSION_NUM' as psql_version,  
        : 'SERVER_VERSION_NAME' as server_version
```

```
\gx
```

```
-[ RECORD 1 ]----+-----  
date_of_example | 2019-03-18  
psql_version    | 100005  
server_version  | 10.5
```

```
# <<YOUR TIMELESS EXAMPLE QUERY GOES HERE>>
```

**Record Your Regrets For When You
Have More Spare Time**

**Bad Code Is Like Swearing Around
Children**