BCPR301 – Advanced Programming

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Assessment Four- Bad Smells Documentation

# NAME: Large Class:

This is one of the worst smells; I consider in my assignment one. As one of the “EmployeeData”, class does too many things and have too many instance variables. Because of too many instance variable, duplicat

# Location:

File: employee\_data.py

Line: 98 to 139

# Reason:

The class is too long with too many functions, it is making class more complicated and hard to understand and change if require. Hereby, I have extract class especially work on fetching employee data from employee class, which make the class manageable and easy to update at any time.

# Strategies / Approaches:

* Extract Subclass

# Steps Taken:

1. Identify one of the worst code smell “Large Class”
   * Line 98 to 139 in EmployeeData class
2. Extract class “GetEmployee”
   * Filename: “employee\_get\_data.py”
3. Create instance of GetEmployeeData “self.\_shw = GetEmployee” in Controller class
4. Call super class and abstract class methods with .shw instance in a Controller class
5. Run the code successfully
6. Test the code

# NAME: Large Class: Primitive Obsession

# Location:

# Reason:

# Strategies / Approaches:

# NAME: Large Class: Divergent Change

# Location:

# Reason:

# Strategies / Approaches:

# NAME: Large Class: Shotgun Surgery

# Location:

# Reason:

# Strategies / Approaches: