CS0008: Intro to Python
Weekly Assignment 10
Object Creation, Storage, and Retrieval

Part 1: Creating the Employee Class

Write a class named Employee that holds the following data about an employee in **private** attributes: name (string), ID number (integer), department (string), and job title (string). Include the following methods in the class as well:

A constructor, `__init__(name, ID)`, that initializes the employee's name and ID number to the values of the parameters.

A `set_department(dep)` method that sets the department attribute to the value of the `dep` parameter

A `set_job_title(job)` method that sets the job title attribute to the value of the `job` parameter

A `get_name()` method that returns the name attribute

A `get_ID_num()` method that returns the ID number attribute

A `get_department()` method that returns the department attribute

A `get_job_title()` method that returns the job title attribute

Part 2: Creating, Saving, and Retrieving the Employee object

Once you have written the class in part 1, write a program and use the correct Employee methods from part 1 to allow the user to create new Employees and enter information about them (Name, ID Number, Department, Job Title). Use a loop as we have done in previous assignments to keep letting the user enter employees until they tell you to stop. For each employee, save/pickle/serialize them into a file called "data.dat". Once the user is done entering data for all employees, open the data.dat file, unpickle the objects, and display their information in an organized way such as how it is displayed below.

```
Name           ID Number      Department          Job Title
Susan Meyers   47899          Accounting          Vice President
Mark Jones     39119          IT                  Programmer
Joy Rogers     81774          Manufacturing       Engineering
```