

1. Write a TO paragraph for the following function (which is not at a single layer of abstraction):

```
def attack_with_dragon(name, color, size):  
    """Attacks the target with a dragon of the given name, color, and size."""  
    dragon = {  
        "name": name,  
        "color": color,  
        "size": size,  
    }  
    if dragon["size"] == "large":  
        print(f"The dragon {dragon['name']} breathes fire on the target\  
            and burns it to a crisp!")  
    else:  
        print(f"The dragon {dragon['name']} breathes fire on the target\  
            but it doesn't do any damage.")  
  
    return dragon
```

TO attack with a dragon...

2. How could you refactor that function into multiple functions to get it to a single layer of abstraction?

3. Write a TO paragraph for the following function (which is not at a single layer of abstraction):

```
def get_user_info():  
    """Gets the user information for a given username from a database"""  
  
    #First login to the database  
    username = input("Enter your username: ")  
    password = input("Enter your password: ")  
    connect_to_database(username, password)  
  
    #Then get the information  
    user_info = get_row_from_database(username)  
    return user_info
```

TO get user information from the database...

4. How could you refactor that function into multiple functions to get it to a single layer of abstraction?

5. Write a TO paragraph for the following function (which is not at a single layer of abstraction):

```
def get_strongest_pokemon(types):  
    """Gets the strongest Pokemon of the given types."""  
    pokemon_data = get_pokemon_data()  
    strongest_pokemon = None  
    for pokemon in pokemon_data:  
        if pokemon.types == types:  
            pokemon.damage = pokemon.attack_power * 2 / pokemon.defense_power  
            if strongest_pokemon is None or pokemon.damage > strongest_pokemon.damage:  
                strongest_pokemon = pokemon  
    return strongest_pokemon
```

TO get the strongest pokemon of a given type...

6. How could you refactor that function into multiple functions to get it to a single layer of abstraction?