

Pruebas de software y aseguramiento de la calidad

6.2 Ejercicio de programación 3 y pruebas de unidad

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Evidencia de ejecución de Pylint y Flake8 a “class_customer”

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\class_customer.py  
  
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)  
  
PS C:\Users\gecko\Documents\TEC\test> flake8 class_customer.py  
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de Pylint y Flake8 a “class_hotel”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\class_hotel.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 class_hotel.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de Pylint y Flake8 a “class_reservation”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\class_reservation.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 class_reservation.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de Pylint y Flake8 a “creación_semimanual”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\creacion_semimanual.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 creacion_semimanual.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de Pylint y Flake8 a “eliminación_semimanual”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\eliminacion_semimanual.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 eliminacion_semimanual.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de Pylint y Flake8 a “test_class_customer”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\test_class_customer.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 test_class_customer.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de Pylint y Flake8 a “test_class_hotel”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\test_class_hotel.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 test_class_hotel.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```


Evidencia de ejecución de Pylint y Flake8 a “test_creacion”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\test_creacion.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 test_creacion.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de Pylint y Flake8 a “test_eliminacion”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\test_eliminacion.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 test_eliminacion.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de Pylint y Flake8 a “test_reservas”

```
PS C:\Users\gecko\Documents\TEC\test> python -m pylint .\test_reservas.py
```

```
-----  
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)
```

```
PS C:\Users\gecko\Documents\TEC\test> flake8 test_reservas.py
```

```
PS C:\Users\gecko\Documents\TEC\test> █
```

Evidencia de ejecución de pruebas Unittest

The screenshot shows a VS Code editor with a Python file named `creacion_semanal.py` open. The file contains a function `crear_reserva()` that validates hotel and client existence and creates a reservation. The terminal window at the bottom displays the output of the tests, showing a table of test results.

```
def crear_reserva():
    # Validar si existen
    hotel_existe = any(hotel.nombre == hotel_nombre for hotel in hoteles)
    cliente_existe = any(cliente.nombre == cliente_nombre for cliente in clientes)

    if not hotel_existe:
        print("❌ No se encontró el hotel.")
        return

    if not cliente_existe:
        print("❌ No se encontró el cliente.")
        return

    # Crear la reserva
    resultado = Reservation.crear_reserva(hotel_nombre, cliente_nombre)
    if resultado is True:
        print(f"✅ Reserva creada en '{hotel_nombre}' para '{cliente_nombre}'.")
    else:
        print(resultado)
```

Name	Stmts	Miss	Cover	Missing
class_customer.py	54	3	94%	66-67, 73
class_hotel.py	54	8	85%	59-66
class_reservation.py	30	1	97%	23
creacion_semanal.py	45	3	93%	15, 22, 65
eliminacion_semanal.py	57	7	88%	54-56, 69-70, 79-80
modificacion_semanal.py	47	9	81%	16-20, 31, 55, 62-63
test_class_customer.py	48	1	98%	74
test_class_hotel.py	49	1	98%	75
test_creacion.py	48	1	98%	66
test_eliminacion.py	32	1	97%	42
test_modificacion.py	30	1	97%	43
test_reservas.py	57	1	98%	79
TOTAL	551	37	93%	

PS C:\Users\gecko\Documents\TEC\test>

