

Laboratorio 3: ANTLR - reservas de salones

1. Crear un programa que reserve salones

```
appuser@021f3b841578:/program$ python3 DriverConfroom.py program_test_confroom.txt
(prog (stat (reserve RESERVAR SALON3 PARA 12/12/2024 DE 07:00 A 08:00) \r\n))
Reserved Room SALON3 on 12/12/2024 from 07:00 to 08:00.
```

2. Crear un programa que cancele reservas de salones

```
appuser@021f3b841578:/program$ python3 DriverConfroom.py program_test_confroom.txt
(prog (stat (reserve RESERVAR SALON3 PARA 12/12/2024 DE 07:00 A 08:00) \r\n) (stat (cancel CANCELAR SALON3 PARA 12/12/2024 DE 07:00 A 08:00) \r\n))
Reserved Room SALON3 on 12/12/2024 from 07:00 to 08:00.
Cancelled reservation for Room SALON3 on 12/12/2024 from 07:00 to 08:00.
```

3. Experimentar

```
appuser@021f3b841578:/program$ python3 DriverConfroom.py program_test_confroom.txt
line 5:48 missing NEWLINE at '<EOF>'
(prog (stat (reserve RESERVAR SALON3 PARA 12/12/2024 DE 07:00 A 08:00) \r\n) (stat (cancel CANCELAR SALON3 PARA 12/12/2024 DE 07:00 A 08:00) \r\n) (stat (reserve RESERVAR SALON3 PARA 12/11/2024 DE 07:00 A 08:00) <missing NEWLINE>)))
Reserved Room SALON3 on 12/12/2024 from 07:00 to 08:00.
Cancelled reservation for Room SALON3 on 12/12/2024 from 07:00 to 08:00.
Reserved Room SALON3 on 12/11/2024 from 07:00 to 08:00.
Error: Room SALON3 is already reserved on 12/11/2024 from 07:00 to 08:00.
```

4. Solicitar nombre

```
line 1:53 mismatched input 'John' expecting NAME
line 5:53 mismatched input 'William' expecting NAME
line 7:48 mismatched input '\r\n' expecting 'CON'
Reserved Room SALON3 on 12/12/2024 from 07:00 to 08:00 by unknown.
Current Reservations: {'SALON3', '12/12/2024', '07:00', '08:00'}: 'unknown'
Cancelled reservation for Room SALON3 on 12/12/2024 from 07:00 to 08:00 by unknown.
Current Reservations: {}
Reserved Room SALON3 on 12/11/2024 from 07:00 to 08:00 by unknown.
Current Reservations: {'SALON3', '12/11/2024', '07:00', '08:00'}: 'unknown'
Reserved Room SALON2 on 12/11/2024 from 07:00 to 08:00 by unknown.
Current Reservations: {'SALON3', '12/11/2024', '07:00', '08:00'}: 'unknown', ('SALON2', '12/11/2024', '07:00', '08:00'): 'unknown'
Error: Room SALON3 is already reserved on 12/11/2024 from 07:00 to 08:00 by unknown.
```

5. Manejo de errores

```
appuser@021f3b841578:/program$ python3 /program/DriverConfroom.py /program/pro
line 1:53 mismatched input 'John' expecting NAME
line 5:53 mismatched input 'William' expecting NAME
line 7:48 mismatched input '\r\n' expecting 'CON'
Error: Invalid time format for reservation by unknown.
Error: No reservation found for Room SALON3 on 12/12/2024 from 07:00 to 08:00.
Reserved Room SALON3 on 12/11/2024 from 07:00 to 08:00 by unknown.
```

6. Reservas solapadas

```
Reserved Room SALON3 on 12/12/2024 from 07:00 to 08:00 by unknown.
Current Reservations: {'SALON3', '12/12/2024', '07:00', '08:00'}: 'unknown'
Cancelled reservation for Room SALON3 on 12/12/2024 from 07:00 to 08:00 by unknown.
Current Reservations: {}
Reserved Room SALON3 on 12/11/2024 from 07:00 to 08:00 by unknown.
Current Reservations: {'SALON3', '12/11/2024', '07:00', '08:00'}: 'unknown'
Error: Room SALON3 is already reserved on 12/11/2024 from 07:00 to 08:00 by unknown.
```

7. Incluir descripciones

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```
line 1:53 mismatched input 'John' expecting NAME
line 5:53 mismatched input 'william' expecting NAME
line 7:48 mismatched input '\r\n' expecting 'CON'
Reserved Room SALON3 on 12/12/2024 from 07:00 to 08:00 by unknown with description: No description.
Current Reservations: {('SALON3', '12/12/2024', '07:00', '08:00'): {'name': 'unknown', 'description': 'No description'}}
Cancelled reservation for Room SALON3 on 12/12/2024 from 07:00 to 08:00 by unknown with description: No description.
Current Reservations: {}
Reserved Room SALON3 on 12/11/2024 from 07:00 to 08:00 by unknown with description: No description.
Current Reservations: {('SALON3', '12/11/2024', '07:00', '08:00'): {'name': 'unknown', 'description': 'No description'}}
Error: Room SALON3 is already reserved on 12/11/2024 from 07:00 to 08:00 by {'name': 'unknown', 'description': 'No description'}.
```

8.