Change Request Report Target Version Inference Fix

Change Request Summary

target_version and required python fields in pyproject.toml and file.py caused configuration errors. The fix ensures accurate inference of Python target versions.

Task Completed

1. Issue Discovery and Research
   4353 states;Concatenated list comprehensions should be put one-per-line rather than splitting within a comprehension.

2. Codebase Analysis & Fix Implementation
   implemented code for range handling ; >=3.7, <3.10 should map to PY37, PY38, PY39.

3. Test Case Implementation
   Created a new test case "test_infer_target_version_from_requires_python" comparing requires-python values

4. Committing & Pushing the Changes committed, push changes, and created prs for patches.

Tools used

GitHub & Git

Black's codebase and playground

PEP 440

pytest

Testing

Tested for version constraints

Analysis and Expectations

Compliance with all standards and python requirements expansion

Link

https://github.com/WSU-CptS-581-2025/black_code_formatter/tree/target-version-inference-issue