

Fixing Compiler Errors: Cheat Sheet

1. Which part of the pipeline causes the error?

```
// Split the pipeline
auto s1 = projects |
views::transform(getFilesInProject);
auto s2 = s1 | views::join;
auto s3 = s2 | views::transform(compile);
```

2. Are functions overloaded?

Use wrapper lambda

3. Do functions accept the correct type?

4. Do functions return the correct type?

```
// Make types explicit
auto f1 = [](auto radius)
{ return calcArea(radius); };

auto f2 = [](double radius) -> double
{ return calcArea(radius); };
```

5. For ranges::views

a) Too many / too few calls to join?

b) const views?

Function returns Thing
You expected vector<Thing> (or vice versa)

6. For optional / expected

Will lead to weird compiler errors. Just Don't.

a) Mixed up and_then with transform?

Function returns Thing
You expected optional<Thing> (or vice versa)