

```
import pkg_resources
```

```
import toml
```

```
def update_pyproject_versions(pyproject_path):
```

```
    try:
```

```
        with open(pyproject_path) as file:
```

```
            data = toml.load(file)
```

```
    except FileNotFoundError:
```

```
        print(f"Error: The file '{pyproject_path}' was not found.")
```

```
        return
```

```
    except toml.TomlDecodeError:
```

```
        print(
```

```
            f"Error: The file '{pyproject_path}' is not a valid TOML"
```

```
            " file."
```

```
        )
```

```
        return
```

```
dependencies = (
```

```
    data.get("tool", {}).get("poetry", {}).get("dependencies", {})
```

```
)
```

```
for package in dependencies:
```

```
    if package.lower() == "python":
```

```
        continue # Skip the Python version dependency
```

try:

```
version = pkg_resources.get_distribution(package).version
```

```
dependencies[package] = version
```

except pkg\_resources.DistributionNotFound:

```
print(f"Warning: Package '{package}' not installed.")
```

with open(pyproject\_path, "w") as file:

```
toml.dump(data, file)
```

```
print(f"Updated versions written to {pyproject_path}")
```

# Usage

```
update_pyproject_versions("pyproject.toml")
```