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In [4]: %%writefile project.py
import flow
from flow.project import FlowProject

@FlowProject.operation
@FlowProject.post(lambda job: 'tmax' in job.document)
def calculate(job):
    import numpy as np
    g = 9.81
    roots = np.roots([-g/2, np.sin(job.sp.theta), 0])
    tmax = roots[roots != 0][0]
    job.doc.tmax = tmax

if __name__ == "__main__":
    FlowProject().main()
```

Writing project.py

```
In [5]: !python project.py run
```

Execute operation 'calculate(4f8a64741a09749ac1320f4b61292e0c)'...

```
In [6]: !find workspace
job.document()
```

```
workspace
workspace/4f8a64741a09749ac1320f4b61292e0c
workspace/4f8a64741a09749ac1320f4b61292e0c/signac_job_document.json
workspace/4f8a64741a09749ac1320f4b61292e0c/signac_statepoint.json
```

```
Out[6]: {'tmax': 0.2038735337271834}
```