

```
velocityField      = uw.mesh.MeshVariable( mesh=mesh,          nodeDofCount=2 )
pressureField      = uw.mesh.MeshVariable( mesh=mesh.subMesh, nodeDofCount=1 )
temperatureField    = uw.mesh.MeshVariable( mesh=mesh,          nodeDofCount=1 )
temperatureDotField = uw.mesh.MeshVariable( mesh=mesh,          nodeDofCount=1 )
```