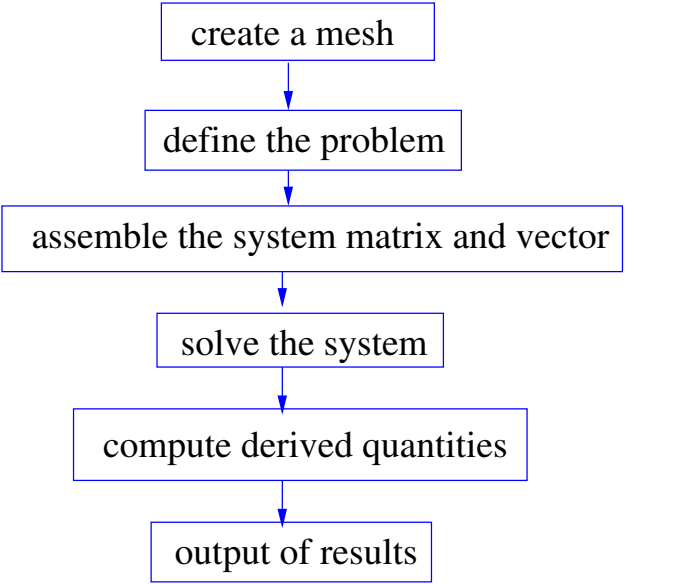


create a mesh



```
graph TD; A[create a mesh] --> B[define the problem]; B --> C[assemble the system matrix and vector]; C --> D[solve the system]; D --> E[compute derived quantities]; E --> F[output of results];
```

A vertical flowchart with six rectangular boxes connected by downward-pointing arrows. The boxes are white with blue borders and contain black text. The steps are: 'create a mesh', 'define the problem', 'assemble the system matrix and vector', 'solve the system', 'compute derived quantities', and 'output of results'.

define the problem

assemble the system matrix and vector

solve the system

compute derived quantities

output of results