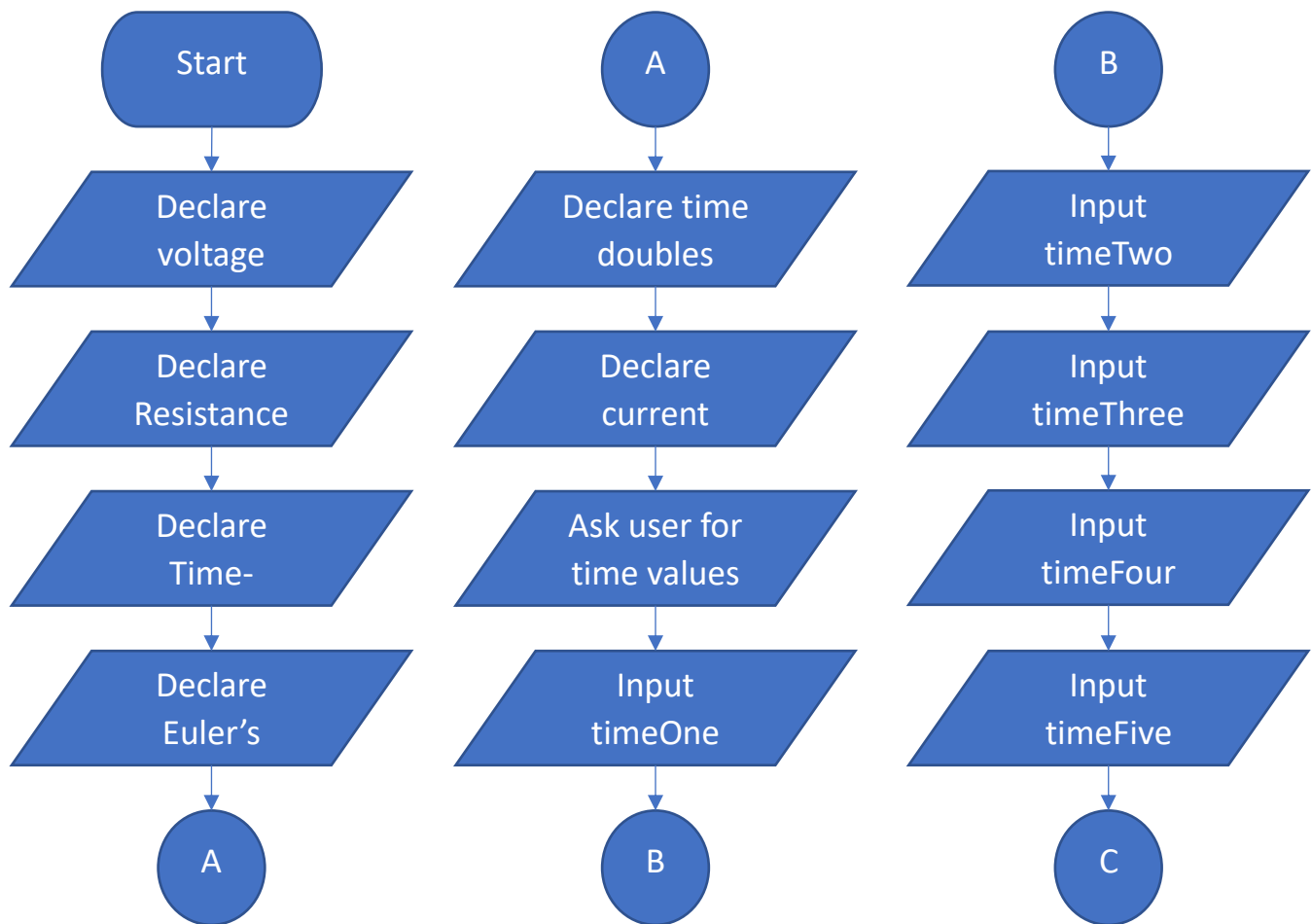
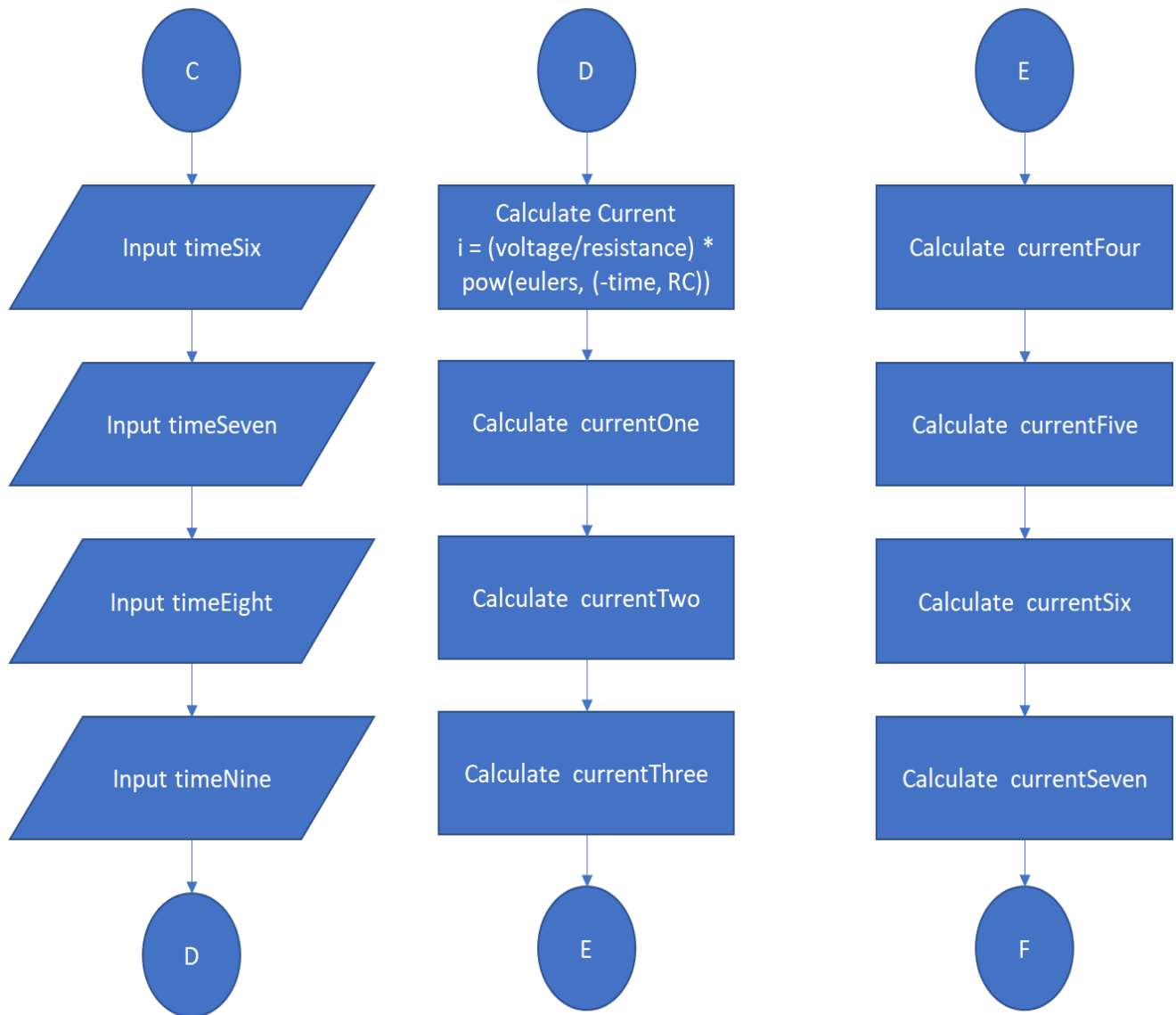


Flowchart:

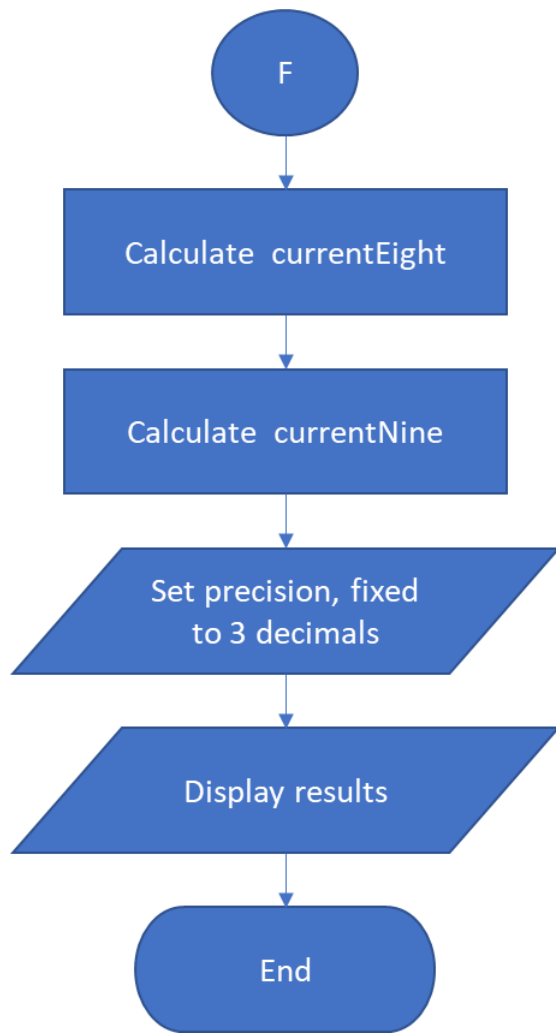


Flowchart Continued:



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CS317 – Project 1

Flowchart Continued:



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Program Screenshot:

```
Microsoft Visual Studio Debug Console

Please enter the time (in seconds) that circuit 1 will run:
0.023
Please enter the time (in seconds) that circuit 2 will run:
0.067
Please enter the time (in seconds) that circuit 3 will run:
0.110
Please enter the time (in seconds) that circuit 4 will run:
0.440
Please enter the time (in seconds) that circuit 5 will run:
0.830
Please enter the time (in seconds) that circuit 6 will run:
0.110
Please enter the time (in seconds) that circuit 7 will run:
0.440
Please enter the time (in seconds) that circuit 8 will run:
0.067
Please enter the time (in seconds) that circuit 9 will run:
12.400

Voltage V      Resistance R      RC      Time t      Current i
(Volts)      (Ohms)      (Time Constant)      (Seconds)      (Amps)
20           10           0.044      0.023      1.186
35           10           0.160      0.067      2.303
35           10           0.160      0.110      1.760
35           10           0.160      0.440      0.224
35           10           0.160      0.830      0.020
15           10           0.550      0.110      1.228
15           10           0.550      0.440      0.674
15           10           0.550      0.067      1.328
6            1000        2.600      12.400      0.000

C:\Users\newuser\OneDrive\Documents\Athens State\CS317\RobbinsProject1\RobbinsProject1\Debug\RobbinsProject1.exe (process 16064) exited with code 0.
Press any key to close this window . . .
```