

1 – Cars

```
→ ch10 git:(master) X ./q1
Enter make: honda
Enter model: pilot
Enter odometer: 19199
Enter manufacture date (Y M D): 2004 02 11
Enter purchase date (Y M D): 2004 11 08
Enter tank capacity and level: 19.1 8.8
Make: honda
Model: pilot
Odometer: 19199
Manufacture date: 2004/02/11
Purchase date: 2004/11/08
Tank: 8.8/19.1 (46.1%)
```

Enter Make: `ctrl-d`

2 – Periodic Table

```
→ ch10 git:(master) X ./q2
Enter atomic #: 72
Enter name: Hafnium
Class: transition
Weight: 178.49
Enter electron shell: 2 8 18 32 10 2 0
```

```
72 - Hafnium
Weight: 178.5
Class: transition
Shells: 2 8 18 32 10 2 0
```

3 – Scientific Notation

```
→ ch10 git:(master) X ./q3
Enter value1: 0.250000e3
Enter value2: 0.200000e1

Values input: 0.250000e3 0.200000e1
Sum: 0.252000e3
```

Difference: 0.248000e3
Product: 0.500000e3
Quotient: 0.125000e3

→ ch10 git:(master) X ./q3
Enter value1: 0.110200e4
Enter value2: 0.455000e3

Values input: 0.110200e4 0.455000e3
Sum: 0.155700e4
Difference: 0.647000e3
Product: 0.501410e6
Quotient: 0.242198e1

5 – Netmask & IP Addresses

→ ch10 git:(master) X ./q5
Enter IP address and name: 111.22.3.44 platte
Enter IP address and name: 555.66.7.88 wabash
Enter IP address and name: 111.22.5.66 green
Enter IP address and name: 12.34.56.78 aaa
Enter IP address and name: 111.22.18.3 bbb
Enter IP address and name: 0.0.0.0 none
Machines platte and green are on the same local network.
Machines platte and bbb are on the same local network.
Machines green and bbb are on the same local network.

9 - Battery

→ ch10 git:(master) X ./q9
The battery has 4956800.0 joules remaining
and can power an 8A device for 51633.3 s
Recharged, it can power an 8A device for 52083.3 s

ENGR120 Chapter 10 Test Results

Student Name: _____

Date: _____ Time: _____ Tester: _____

1 – Cars

Code compiles: ☐Y ☐N # of warnings: _____
Code ran: ☐Y ☐N Correct: ☐Y ☐N Terminated OK: ☐Y ☐N
Output was free from extraneous output: ☐Y ☐N
Comments:

2 – Periodic Table

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Output was free from extraneous output: ☐Y ☐N
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5 – Netmask & IP Addresses

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Output was free from extraneous output: ☐Y ☐N
Comments:

9 – Battery

Code compiles: ☐Y ☐N # of warnings: _____

Code ran: ☐Y ☐N Correct: ☐Y ☐N Terminated OK: ☐Y ☐N

Output was free from extraneous output: ☐Y ☐N

Comments: