Welcome to the Puzzle Hunt program!
In this department, you can earn a degree in a single day!

In the departmental curriculum, you will have to complete an assignment from each of a variety of courses present or referred to in this document. Successful completion of each assignment will result in the knowledge of a word, name, or short phrase. To verify the answer to an assignment, send an e-mail to zjb-hunt-answers@cs.rit.edu, with the subject “Puzzle n” (without quotes, replacing n with the course number from 1-12) and include only your answer, IN ALL CAPS, in the body of the message. If your answer consists of more than one word, submit it as a single string of characters without spaces. [You may test the response system by submitting the answer ANSWER for puzzle 0.] Once you have completed a sufficient number of courses, you will be ready to embark on your capstone project, in which you must integrate all the knowledge you acquired in your studies. Completing the capstone project will tell you where to pick up your degree! When you believe you know this, please contact me directly (office 70-3651, phone x5-6155).

And now, your assignments:

1. Linear Algebra

Isn’t it nice that everyone is so conveniently located?

<table>
<thead>
<tr>
<th>Tymann</th>
<th>Gaborski</th>
<th>Strout</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kaminsky</td>
<td>Daehn</td>
<td>Heliotis</td>
</tr>
<tr>
<td>Bayliss</td>
<td>Homan</td>
<td>Reynolds</td>
</tr>
</tbody>
</table>

(Kwon – Teredesai)(Howles – Raj)

2. Computer Science 1

Sorry if I mumble in class a bit, you should still be able to figure out what my code does. Remember that we assume the latest major version of the language here, and I have done my best to use standard style throughout.

The program itself is at http://www.cs.rit.edu/~zjb/hunt/mumble
3. Computer Science 2

From any CS machine, `cd ~zjb/hunters/ ; java CS2`

4. Computer Science 3

Navigate the following tree:
5. Professional Communications

Remember to be concise, and to organize your thoughts before drawing conclusions.

- Article appearing only before a vowel
- Boer War nation
- Center of operations
- Domain code local to Kowloon Bay
- Extension of script files in a snake-named language
- First half of a week-ending office interjection
- Goran Višnjić’s show
- Half of MDCCC
- Icelandair flight code
- Johnny Hart comic strip
- Kia Spectra sedan version with 16” wheels
- Latin abbreviation meaning “compare to”
- Metal whose alloys are measured in karats
- Net ___ (food package datum)
- Only U.S. state with a non-rectangular flag
- Program including Circuit Theory and Electromagnetics
- Q-T link
- Radiation dose equivalents unit (as opposed to absorbed dose)
- Shatner’s Hooker
- Train in Chicago
- Unix file duplication command
- Victor E. Bull is their mascot
- Word denoting an infinitive
- X followers
- “You’re so cute...”
- Zach’s character, on “Scrubs”

6. Steganography

### 7. Writing

**ACROSS**
1. Sum of Cartesian writing?  
4. Spelunker's domain  
9. Quaker product  
13. Snatch  
15. NH2-containing compounds  
17. Like influenza  
19. Prefix with present or potent  
20. Option  
21. Nobel Peace Prize winner Root  
22. Directions  
25. Nothing  
26. Type of fault, for short  
27. ___ Lingus  
28. East of Germany  
29. ___ Lingus  
30. Recede, as a tide  
32. French evening  
33. Mystical sphere  
34. Fulbright Scholarship sponsors  
36. Bel ____ cheese  
38. Neuron components  
39. Skis often make them  
40. High shot  
42. This puzzle has fifty of them  
43. That place  
44. Biathlete Ole ___ Bjoerndahlen  
46. Airport posting (abbr.)  
48. Conflicts  
51. Army NCO  
55. Takes up, as clothing  
56. One following the same path again  
57. You (Ger.)  
58. Federal agency dealing with controlled substances  
60. Kid's pie filling?  
61. Positive item on a balance sheet  
62. Chuckles  
63. Silver dollar  
64. Person logged in  
65. Common gym floor object  
67. Cable car  
68. They usually have your picture on them  
69. Greek H's  
72. Gibraltar, e.g.

**DOWN**
1. Factotums of Discworld  
2. French fighting force  
3. Groups of executives  
4. Memory near a processor  
5. College town in New York or Massachusetts  
6. Midsize string instrument  
7. Actress Falco  
8. Like a pie-slice-shaped area  
9. Above  
10. Not feel well  
11. Located 120 degrees apart, as planets  
12. Subcontinental version of 79 Across  
13. Two spades, e.g.  
14. Tennis match components  
15. Brazil's president, informally  
16. Nearly defunct diet soda  
17. Like influenza  
18. Brazil's president, informally  
19. Adopted  
20. Option  
21. Nobel Peace Prize winner Root  
22. Directions  
25. Nothing  
26. Type of fault, for short  
27. ___ Lingus  
28. East of Germany  
29. ___ Lingus  
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8. Image Understanding

For each test image below, select an appropriate image from the library so that the same operation can be performed on each.
9. History of Computing

- Number of columns in the display of a VIC-20
- Number in the link to the unlambda program in the MIT Mystery Hunt puzzle “Use of Gothicism Considered Harmful”
- XEmacs version released in July 1998
- Chapter of K&R dealing with control flow
- Column containing continuation characters in FORTRAN-77
- Digits of precision of the London Science Museum’s difference engine
- Atomic number of the main component of the first transistor

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 2</td>
<td>j. 16</td>
<td>s. 32</td>
<td></td>
</tr>
<tr>
<td>b. 3</td>
<td>k. 17</td>
<td>t. 73</td>
<td></td>
</tr>
<tr>
<td>c. 4</td>
<td>l. 20</td>
<td>u. 132</td>
<td></td>
</tr>
<tr>
<td>d. 5</td>
<td>m. 21</td>
<td>v. 180</td>
<td></td>
</tr>
<tr>
<td>e. 6</td>
<td>n. 22</td>
<td>w. 194</td>
<td></td>
</tr>
<tr>
<td>f. 8</td>
<td>o. 24</td>
<td>x. 198</td>
<td></td>
</tr>
<tr>
<td>g. 10</td>
<td>p. 25</td>
<td>y. 241</td>
<td></td>
</tr>
<tr>
<td>h. 12</td>
<td>q. 27</td>
<td>z. 20X6</td>
<td></td>
</tr>
<tr>
<td>i. 14</td>
<td>r. 31</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
- Number of pins on the first Intel microprocessor
- Linus Torvalds’ current age
- Predicted size of the total world computer market in a famous speech by T. J. Watson in 1943
- The weight in pounds of the Lappy 486
- Number of years since the first census to be automatically tabulated
- Number of different fonts in which “Yatta” appears in the Animutation with that parenthetical title

<table>
<thead>
<tr>
<th></th>
<th>a. 5</th>
<th>b. 6</th>
<th>c. 7</th>
<th>d. 8</th>
<th>e. 9</th>
<th>f. 10</th>
<th>g. 12</th>
<th>h. 14</th>
<th>i. 16</th>
</tr>
</thead>
<tbody>
<tr>
<td>j.</td>
<td>18</td>
<td>k. 20</td>
<td>l. 24</td>
<td>m. 30</td>
<td>n. 36</td>
<td>o. 37</td>
<td>p. 39</td>
<td>q. 40</td>
<td>r. 41</td>
</tr>
<tr>
<td>s.</td>
<td>42</td>
<td>t. 106</td>
<td>u. 116</td>
<td>v. 126</td>
<td>w. 136</td>
<td>x. 1880</td>
<td>y. 1940</td>
<td>z. 1950</td>
<td></td>
</tr>
</tbody>
</table>

10. Networking

We performed some localized testing, and it showed some very interesting anomalies. Unfortunately the test results have been all tossed together:

arkansas
delaware
greyjoy
prefect
fergus
beetles
dione
idaho
wingnut
oedipus
beeblebrox
doors
illinois
wrench
uranium
boober
drifters
maine
xenon
red
buddy
elvis
medusa
tyrell
thrashbarge
centaor
gallium
perseus
arizona
heracles
cerberus
georgia
philo
kinks
chlorine
go bo
platters
everlys
11. Cryptography

Perform the specified operation:

PBAIREG GUR AHZORE FVK AVAR GJB GUERR SVIR FVK RVTUG
GJB FRIRA RVTUG (ONFR GRA) GB ONFR GJRAKL-FVK.

12. Restaurant Management

We don’t usually get big groups paying together here, but it can happen! Don’t forget to round
the tax to the nearest penny.

2 Hummus Wraps
2 Philly Style Pizzas
1 Buffalo Panini
3 bottles unsweetened iced tea
3 bottles Mountain Dew

3 Cheese Quesadillas
3 Chicken Club Wraps
3 bottles Sierra Mist
2 bottles Green tea with honey

2 Chicken Fajita Quesadillas
2 Texas Beef Wraps
3 Swiss Salad Wraps
4 bottles Iced tea with lemon

3 Chili Bowls
2 Perfecto Pepperoni Pizzas
3 bottles Unsweetened iced tea
2 bottles Sobe Power

1 Classic Chicken Wrap
2 White Pizzas
6 bottles Pepsi
5 bottles Sobe Nirvana

1 Veggie Ranch Wrap
3 Classic BLT Wraps
4 bottles Pepsi
2 bottles Raspberry iced tea
2 bottles Sobe Tsunami

3 Tripoli Cheese Pizzas
1 Perfecto Pepperoni Pizza
2 bottles Pepsi
4 bottles Diet Pepsi
3 bottles orange juice
2 bottles Sobe Lava
Capstone Project