For the following problems, write it out in plain English, structured English, or in pseudocode (when applicable). Include variable declaration and assignment (if needed) with meaningful names. Use indentation and alignment. You may work together with your group but each student must complete and submit their own assignment.

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|  | **STATEMENT** |
| **1** | **If it’s raining, bring your umbrella.** |
| ANSWER | If (it’s raining){bring your umbrella}. |
| **2** | **If it’s raining, bring your umbrella. Otherwise, wear your sunglasses.** |
| ANSWER | If (it’s raining), {bring your umbrella} else {wear your sunglasses}. |
| **3** | **If you’re 18 years old or older, you can vote.** |
| ANSWER | If you’re (>=18 years old) you {can vote}. |
| **4** | **In the state of Washington, you must be 21 years old to drink. In Canada, you can drink at age 19 in British Columbia, Newfoundland and Ontario; or, if you live in Alberta, Manitoba and Quebec, you can drink at age 18.** |
| ANSWER | In the state of Washington, you must be (>=21 years old) {to drink}. In Canada, you can drink at the age (>=19) in British Columbia, Newfoundland and Ontario; else if (you live in Alberta Manitoba and Quebec), you {can drink at age >=18}. |
| **5** | **To be eligible to graduate from Loyola University, you must have 120 credits and a GPA of at least 2.0.** |
| ANSWER | If (you have 120 credits && GPA >=2.0) you {can graduate}. |
| **6** | **A person is eligible to be a US Senator who is at least 30 years old and has been a citizen for at least 9 years.** |
| ANSWER | If a person is (>=30 years old && has been a citizen for >= 9 years) they {can be a US Senator}. |
| **7** | **A person is eligible to be a US Representative who is at least 25 years old and has been a US citizen for at least 7 years.** |
| ANSWER | If a person is (>=25 years old && has been a US citizen for >= 7 years) they are eligible to {be a US Representative}. |
| **8** | **Combine or refactor statements #6 and 7 so that it would tell me if the person is eligible to be US Representative only, or is eligible for both offices, or is eligible for neither.** |
| ANSWER | If a person is (>=30years old && has been a citizen for >=9 years) they {can be either a US Senator or a US Representative} || (a person is (>=25 years old && has been a citizen for >=7 years) they can only {be a US Representative} || if a person (<25 years old || has been a citizen for <9 years) they {can be neither a US Senator or a US Representative) |
| **9** | **If a person is between the ages of 1 to 3 years, inclusive, then they are considered a toddler.** |
| ANSWER |  |
| **10** | **A preschooler is between the ages of 3 to 5 years old.** |
| ANSWER |  |
| **11** | **A gradeschooler is between the ages of 5 to 12 years old, inclusive.** |
| ANSWER |  |
| **12** | **If a person is between the ages of 10 and 13 years, they are considered a preteen.** |
| ANSWER |  |
| **13** | **If a person is between the ages of 12 and 18, then they are considered a teenager.** |
| ANSWER |  |
| **14** | **Young adults are normally 18 to 21 years old, inclusive.** |
| ANSWER |  |
| **15** | **Combine statements #9 – 14 into an if/else if statement** |
| ANSWER |  |