Example of Pseudocode to Code: Translate pseudocode that is structured line-by-line into corresponding C++ code.

Pseudocode Annotations
```
define the main function
      str = string array of size 12
      n, i, j, ck = int
      read n then str[0]
      set str[1] to "vaporeon"
      set str[2] to "jolteon"
      set str[3] to "flareon"
      set str[4] to "espeon"
      set str[5] to "umbreon"
      set str[6] to "leafeon"
      set str[7] to "glaceon"
      set str[8] to "sylveon"
      for i = 1 to 8 inclusive
            if size of str[i] is n
                  set ck to 1
                  for j = 0 to n
                        if str[0][j] >= 'a' and str[0][j] <= 'z'
                              if str[0][j] is not str[i][j]
                                    set ck to 0
                                    break
                              end of the block
                        end of the block
                  end of the block
                  if ck is 1
                        print str[i]
                        return to indicate successful execution
                  end of the block
            end of the block
      end of the block
      print newline
      return to indicate successful execution
end of the block
```

C++ Code
```cpp
int main() {
      string str[12];
      int n, i, j, ck;
      cin >>n >>str[0];
      str[1] = "vaporeon";
      str[2] = "jolteon";
      str[3] = "flareon";
      str[4] = "espeon";
      str[5] = "umbreon";
      str[6] = "leafeon";
      str[7] = "glaceon";
      str[8] = "sylveon";
      for (i = 1; i <= 8; i++) {
            if (str[i].size() == n) {
                  ck = 1;
                  for (j = 0; j <n; j++) {
                        if (str[0][j] >= 'a' && str[0][j] <= 'z') {
                              if (str[0][j] != str[i][j]) {
                                    ck = 0;
                                    break;
                              }
                        }
                  }
                  if (ck == 1) {
                        cout <<str[i] <<endl;
```

```
                    return 0;
                }
            }
    }
    cout <<endl;
    return 0;
}
```