

```

1 #include <iostream>
2 #include <string>
3 using namespace std;
4
5 class Story
6 {
7 public:
8     string name,
9         age,
10        city,
11        college,
12        profession,
13        animal,
14        petname;
15    string vowels = "aeiouAEIOU";
16    Story()
17    {
18        cout << "Please enter a NAME: ";
19        getline(cin, name);
20        cout << "Please enter an AGE: ";
21        getline(cin, age);
22        cout << "Please enter a CITY: ";
23        getline(cin, city);
24        cout << "Please enter a COLLEGE: ";
25        getline(cin, college);
26        cout << "Please enter a PROFESSION: ";
27        getline(cin, profession);
28        cout << "Please enter an ANIMAL: ";
29        getline(cin, animal);
30        cout << "Please enter a PET NAME: ";
31        getline(cin, petname);
32    }
33    /**
34     * Print a story containing all of the constructor fields.
35     *
36     * I miss Python's fstrings.
37     *
38     * @Returns none.
39     */
40    void printStory()
41    {
42        cout<< "There once was a person named " << name << " who lived in "
43            << city << ". At the age of " << age << ", " << name
44            << " went to college at " << college << ". " << name
45            << " graduated and went to work as ";
46        if (vowels.find(profession.at(0)) != string::npos)
47        {
48            cout << "an ";
49        } else {
50            cout << "a ";
51        }
52        cout<< profession << ". Then, " << name << " adopted ";
53        if (vowels.find(animal.at(0)) != string::npos)
54        {
55            cout << "an ";
56        } else {
57            cout << "a ";
58        }
59        cout<< animal << " named " << petname
60            << ". They both lived happily ever after!\n";
61    }
62 };
63
64 int main() {
65     Story one;
66     one.printStory();
67     return 0;
68 }
69

```

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70 // RESOURCES USED:
71 // https://cplusplus.com/reference/string/string/at/
72 // https://cplusplus.com/reference/string/string/find/
73 // https://www.geeksforgeeks.org/constructors-c/
```