Compile the given code

Use the following code to download the repo:

git clone git@github.khoury.northeastern.edu:caoshan278251191/cs3520-Fall-2022.git

```
Shancao@shans-iMac ~ % git clone git@github.khoury.northeastern.edu:caoshan278251191/cs3520-Fall-2022.git Cloning into 'cs3520-Fall-2022'...
remote: Enumerating objects: 56, done.
remote: Counting objects: 100% (56/56), done.
remote: Compressing objects: 100% (42/42), done.
remote: Total 56 (delta 17), reused 46 (delta 9), pack-reused 0
Receiving objects: 100% (56/56), 1.17 MiB | 15.60 MiB/s, done.
Resolving deltas: 100% (17/17), done.
shancao@shans-iMac ~ % cd cs3520-Fall-2022
shancao@shans-iMac cs3520-Fall-2022 % s
zsh: command not found: s
shancao@shans-iMac cs3520-Fall-2022 % ls
README.md hw1 prac_2
Shancao@shans-iMac prac_2 % ls
Makefile practise2.cpp
shancao@shans-iMac prac_2 % make
g++ -c -o practise2.o practise2.cpp -I../include -g -00 -std=c++11
g++ -o practise2 practise2.o -I../include -g -00 -std=c++11 -lncurses
shancao@shans-iMac prac_2 % I
```

Declare three new variables for address/state/zipcode

```
string address;
cout << "Address:\t";</pre>
cin.ignore();
getline(cin, address);
string city;
cout << "City: \t";</pre>
cin >> city;
string state_name;
cout << "state: \t";</pre>
cin.ignore(); /* Flush the cin */
getline(cin, state_name, '\n');
/* get only the first two digits for the State name string */
state_name = state_name.substr(0, 2);
string zip_code;
cout << "zip_code \t";</pre>
cin >> zip_code;
```

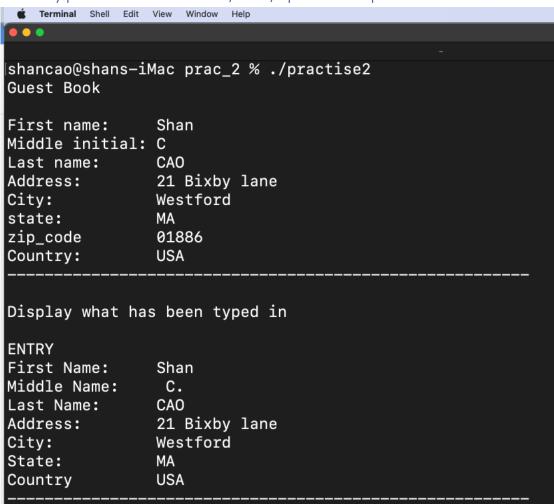
read values for address/state/zipcode including 2 digits for state

```
string address;
cout << "Address:\t";
cin.ignore();
getline(cin, address);

string city;
cout << "City: \t";
cin >> city;

string state_name;
cout << "state: \t";
cin.ignore(); /* Flush the cin */
getline(cin, state_name, '\n');
/* get only the first two digits for the State name string */
state_name = state_name.substr(0, 2);</pre>
```

correctly print values for address/state/zipcode in requested format without error



create new string, printing it with

Shan Cao Pratice 2

replacing \n with period and printing it

```
replace(longstr.begin(), longstr.end(), '\n', '.');
```

Print ASCII sum for the final string.

```
int sum_of_ascII(string ss) {
  int sum = 0;
  for (int i = 0; i < ss.size(); i++) {
    sum = sum + ss[i];
  }
  return sum;
}</pre>
```

```
cout << "----\n\n";
cout << "The Sum of the ASC value of all the digits \n";
int total = sum_of_ascII(longstr);
cout << "the number is: \t";
cout << total;</pre>
```

Full output from the server

```
-bash-4.2$ make
g++ -c -o practise2.o practise2.cpp -I../include -g -00 -std=c++11
g++ -o practise2 practise2.o -I../include -g -00 -std=c++11 -lncurses -bash-4.2$ ./practise2
Guest Book
First name:
                Shan
Middle initial: C
                Cao
Last name:
Address:
                21 bixny ln
               Westford
City:
state:
                MA
                01886
zip_code
Country:
                USA
Display what has been typed in
ENTRY
First Name:
                Shan
Middle Name:
                c.
Last Name:
                Cao
Address:
                21 bixny ln
City:
               Westford
State:
                MA
Country
                USA
Display what it looks like if we put all the variables into the same variables
ENTRY
Shan C Cao
21 bixny ln
Westford MA 01886
USA
Display what it looks like if we replace all the slash n with the dot
Shan C Cao.21 bixny ln .Westford MA 01886 .USA..
The Sum of the ASC value of all the digits
the number is: 3577
```