

CS101/Quiz/# 6, Wednesday, April 28, Answers

1. What is the output?

```
#include<iostream.h>
char* split(char*);
void main(){
    char phrase[] = "One, two, three, four.", *rest;
    rest = split(phrase);
    cout << phrase << endl << rest << endl;
}
char* split(char *w){
    while (true){
        if (*w == '\0')
            return w;
        if (*w == ' '){
            *w = '\0';
            return w + 1;
        }
        w++;
    }
}
```

Output:
One,
two, three, four.

QUESTION 2 IS ON THE BACK.

2. The data file `tonguetwister.dat` consists of the following lines (each of the first two lines is ended by return character `'\n'`, while for the last line, the end of file marker comes directly after the period):

```
I slit a sheet.  
A sheet I slit.  
Upon a slitted sheet I sit.
```

What is the output?

```
#include<iostream.h>  
#include<fstream.h>  
#include<cstring>  
#include<ctype.h>  
void main(){  
    ifstream infile("tonguetwister.dat");  
    char a[50]; char b[50]; char c[50];  
    infile.getline(a,50);  
    infile.getline(b,50);  
    infile.getline(c,50);  
    cout << a << endl << b << endl << c << endl;  
    cout << strlen(a) << endl;  
    b[0] = tolower(b[0]);  
    cout << b << endl;  
}
```

Output:

```
I slit a sheet.  
A sheet I slit.  
Upon a slitted sheet I sit.  
15  
a sheet I slit.
```