

CS101: Quiz #3

ANSWERS

1. Consider the following program:

```
#include<iostream.h>
void main() {
    int a,b;
    cin >> a >> b;
    if (a > b){
        if (a > 0) cout << a;
        else cout << 2;
    }
    else cout << b;
}
```

For each of the following inputs, give the output:

Input	Output
1 2	2
2 1	2
-2 -3	2
-3 -2	-2

2. Write a code fragment that prints the message OK if the variable x satisfies

$$1 < x \leq 10$$

and prints out the message not OK otherwise.

```
if (1<x && x<=10) cout << "OK\n";
else cout << "not OK\n";
```

QUESTION 3 IS ON THE BACK.

3. What is the output of this program?

```
#include<iostream.h>
void main() {
    int i = 0, j = 2, k = 1;
    do {
        k += i*i;
        i++; j--;
        cout << k << endl << i << endl;
    }
    while ((k<5) || (j>0));
}
```

Output:

```
1
1
2
2
6
3
```