

10. What is wrong with the following code, and how would you fix it?

```
int sum; for(int i=0; i<1000; ++i) { sum += i; } printf("Sum of 0 to 999 is %d\n", sum); sum isn't initialized. It would compile but assuming it starts at 0 is a bad idea since it sometimes won't be 0 but "arbitrary garbage."  

11. What is wrong with the following code, and how would you fix it?  

int n = 1; if(n = 0) { printf("n is zero\n"); } 

n would be initialized as 0 since the if statement is using one = instead of two to compare.
```

Programming assignment 2.4