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CMPE 101-Intermediate Programming Quiz-01

Part I

What is the output of each statements of the following code. If the statements are wrong, then correct it, then write out related outputs.

```
class Test {  
    public static void main(String [ ] args) {  
        int a;  
        int b=5;  
        b= b+a;  
        System.out.println(b); // What is the output:  
        double m=2.5;  
        y= y*m;  
        System.out.println(y); // What is the output:  
  
        boolean k= true;  
        boolean k= 12 > 20;  
  
        System.out.println(k); // What is the output:  
    }  
}
```

Part II

Write valid Java methods according to following function criteria.

$f(x,y) = x + y$, x and y are integer number. But we want the function "f" must return a result with the type of "short"

$f2(x,y,z,t) = (x + y)/(z+t)$, x is byte, y is integer, t is double, and z is float. But we want the function "f" must return a result with the type of "long"