

Syntax Errors:

- a. What will be the output of the following function? If there is a problem in it, explain the solution.

```
function add() public pure returns (uint) {  
    uint a = 7;  
    uint b = 9;  
    return a - b;  
}
```

- b. What will be the output of the following function? If there is a problem in it, explain the solution.

```
function divide() public pure returns (uint) {  
    uint a = 19;  
    uint b = 9;  
    return a / b;  
}
```

- c. Debug the following function and explain how it can be fixed.

```
function transfer(address receiver, uint numberOfTokens) public returns (bool) {  
    require(numberOfTokens <= balances[receiver]);  
    balances[msg.sender] = balances[msg.sender] - numberOfTokens;  
    balances[receiver] = balances[receiver] + numberOfTokens;  
    return true;  
}
```

- d. How many times can this function be called?

```
uint private papersChecked = 1;  
function check() private {  
    require(papersChecked < 10);  
    papersChecked++;  
}
```

- e. Explain the error in the following function. How can it be fixed?

```
string _totalSupply = 0;  
function mint(address account, uint256 amount) onlyOwner public {  
    require(account != address(0));  
    _totalSupply += amount;  
}
```