

Homework 7

Functions

Question 1

The parameter `X` represents a function.

Complete the function signature so that `X` is a standard ERC20 transfer function (other than the visibility)

The `query` function should revert if the ERC20 function returns false

```
function query(uint _amount, address _receiver, X) public {  
...  
}
```

Question 2

The following function checks function details passed in the data parameter.

```
function checkCall(bytes calldata data) external{  
  
}
```

The data parameter is bytes encoded representing the following

Function selector

Target address

Amount (uint256)

Complete the function body as follows

The function should revert if the function is not an ERC20 transfer function.

Otherwise extract the address and amount from the data variable and emit an event with those details

```
event transferOccurred(address,uint256);
```