

Bank Inheritance Exercise

```
// SPDX-License-Identifier: GPL-3.0
```

```
pragma solidity >=0.7.0 <0.9.0;
```

```
contract Bank {

    uint public rate;
    constructor (uint r) {
        rate=r;
    }
    function setRate(uint r) public{
        rate=r;
    }
    function getRate() public view returns (uint){
        return rate;
    }
}
```

```
contract localBank1 is Bank{
    uint public lrate=0;
    constructor (uint r) Bank(r){}
    function setRate() public {
        lrate=rate+2;

    }
}
```

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```
contract Bank {

    uint public rate;
    constructor (uint r) {
        rate=r;
    }
    function setRate(uint r) public{
        rate=r;
    }
    function getRate() public view returns (uint){
        return rate;
    }
}
```

```
contract localBank1 is Bank{
```

```
Bank B;  
constructor (uint r) Bank(r){  
    B=new Bank(r);  
}  
function setRate() public {  
    rate=B.rate()+2;  
  
}  
}
```