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\*Submitted for verification at Etherscan.io on 2021-05-26

\*/

pragma solidity ^0.5.0;

// ----------------------------------------------------------------------------

// ERC Token Standard #20 Interface

//

// ----------------------------------------------------------------------------

contract ERC20Interface {

function totalSupply() public view returns (uint);

function balanceOf(address tokenOwner) public view returns (uint balance);

function allowance(address tokenOwner, address spender) public view returns (uint remaining);

function transfer(address to, uint tokens) public returns (bool success);

function approve(address spender, uint tokens) public returns (bool success);

function transferFrom(address from, address to, uint tokens) public returns (bool success);

event Transfer(address indexed from, address indexed to, uint tokens);

event Approval(address indexed tokenOwner, address indexed spender, uint tokens);

}

// ----------------------------------------------------------------------------

// Safe Math Library

// ----------------------------------------------------------------------------

contract SafeMath {

function safeAdd(uint a, uint b) public pure returns (uint c) {

c = a + b;

require(c >= a);

}

function safeSub(uint a, uint b) public pure returns (uint c) {

require(b <= a); c = a - b; } function safeMul(uint a, uint b) public pure returns (uint c) { c = a \* b; require(a == 0 || c / a == b); } function safeDiv(uint a, uint b) public pure returns (uint c) { require(b > 0);

c = a / b;

}

}

contract Moonchild is ERC20Interface, SafeMath {

string public name;

string public symbol;

uint8 public decimals; // 18 decimals is the strongly suggested default, avoid changing it

uint256 public \_totalSupply;

mapping(address => uint) balances;

mapping(address => mapping(address => uint)) allowed;

/\*\*

\* Constrctor function

\*

\* Initializes contract with initial supply tokens to the creator of the contract

\*/

constructor() public {

name = "Moonchild";

symbol = "MOON";

decimals = 18;

\_totalSupply = 100000000000000000000000000;

balances[msg.sender] = \_totalSupply;

emit Transfer(address(0), msg.sender, \_totalSupply);

}

function totalSupply() public view returns (uint) {

return \_totalSupply - balances[address(0)];

}

function balanceOf(address tokenOwner) public view returns (uint balance) {

return balances[tokenOwner];

}

function allowance(address tokenOwner, address spender) public view returns (uint remaining) {

return allowed[tokenOwner][spender];

}

function approve(address spender, uint tokens) public returns (bool success) {

allowed[msg.sender][spender] = tokens;

emit Approval(msg.sender, spender, tokens);

return true;

}

function transfer(address to, uint tokens) public returns (bool success) {

balances[msg.sender] = safeSub(balances[msg.sender], tokens);

balances[to] = safeAdd(balances[to], tokens);

emit Transfer(msg.sender, to, tokens);

return true;

}

function transferFrom(address from, address to, uint tokens) public returns (bool success) {

balances[from] = safeSub(balances[from], tokens);

allowed[from][msg.sender] = safeSub(allowed[from][msg.sender], tokens);

balances[to] = safeAdd(balances[to], tokens);

emit Transfer(from, to, tokens);

return true;

}

}