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// SPDX-License-Identifier: MIT
pragma solidity >= 0.6.0 < 0.8.0;
library SafeMath {
 function tryAdd(uint256 a, uint256 b) internal pure returns (bool, uint256) {
  uint256 c = a + b;
  if (c < a) return (false, 0);
  return (true, c);
 }
 function trySub(uint256 a, uint256 b) internal pure returns (bool, uint256) {
  if (b > a) return (false, 0);
  return (true, a - b);
 }
 function tryMul(uint256 a, uint256 b) internal pure returns (bool, uint256) {
  if (a == 0) return (true, 0);
  uint256 c = a * b;
  if (c / a != b) return (false, 0);
  return (true, c);
 }
 function tryDiv(uint256 a, uint256 b) internal pure returns (bool, uint256) {
  if (b == 0) return (false, 0);
  return (true, a / b);
 }
 function tryMod(uint256 a, uint256 b) internal pure returns (bool, uint256) {
  if (b == 0) return (false, 0);
  return (true, a % b);
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}
function add(uint256 a, uint256 b) internal pure returns (uint256) {
 uint256 c = a + b;
 require(c >= a, "SafeMath: addition overflow");
 return c;
}
function sub(uint256 a, uint256 b) internal pure returns (uint256) {
 require(b <= a, "SafeMath: subtraction overflow");</pre>
 return a - b;
}
function mul(uint256 a, uint256 b) internal pure returns (uint256) {
 if (a == 0) return 0;
 uint256 c = a * b;
 require(c / a == b, "SafeMath: multiplication overflow");
 return c;
}
function div(uint256 a, uint256 b) internal pure returns (uint256) {
 require(b > 0, "SafeMath: division by zero");
 return a / b;
}
function mod(uint256 a, uint256 b) internal pure returns (uint256) {
 require(b > 0, "SafeMath: modulo by zero");
 return a % b;
}
function sub(uint256 a, uint256 b, string memory errorMessage) internal pure returns (uint256) {
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require(b <= a, errorMessage);</pre>
  return a - b;
 }
 function div(uint256 a, uint256 b, string memory errorMessage) internal pure returns (uint256) {
  require(b > 0, errorMessage);
  return a / b;
 }
 function mod(uint256 a, uint256 b, string memory errorMessage) internal pure returns (uint256) {
  require(b > 0, errorMessage);
  return a % b;
 }
}
interface IERC20 {
 function totalSupply() external view returns (uint256);
 function balanceOf(address account) external view returns (uint256);
 function transfer(address recipient, uint256 amount) external returns (bool);
 function allowance(address owner, address spender) external view returns (uint256);
 function approve(address spender, uint256 amount) external returns (bool);
 function transferFrom(address sender, address recipient, uint256 amount) external returns (bool);
 event Transfer(address indexed from, address indexed to, uint256 value);
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event Approval(address indexed owner, address indexed spender, uint256 value);
}
abstract contract Context {
 function _msgSender() internal view returns (address payable) {
  return msg.sender;
 }
 function _msgData() internal view returns (bytes memory) {
  this; // silence state mutability warning without generating bytecode - see
https://github.com/ethereum/solidity/issues/2691
  return msg.data;
 }
}
abstract contract Ownable is Context {
 address private _owner;
 address private _newOwner;
 event OwnershipTransferred(address indexed previousOwner, address indexed newOwner);
 constructor () {
  address msgSender = 0x93830567238254E178fc39A093b078CFf3427d81;
  _owner = msgSender;
  emit OwnershipTransferred(address(0), msgSender);
 }
 function owner() public view returns (address) {
  return _owner;
 }
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modifier onlyOwner() {
  require(owner() == _msgSender(), "Ownable: caller is not the owner");
  _;
 }
 function acceptOwnership() public {
  require(_msgSender() == _newOwner, "Ownable: only new owner can accept ownership");
  address oldOwner = _owner;
  _owner = _newOwner;
  _newOwner = address(0);
  emit OwnershipTransferred(oldOwner, _owner);
 }
 function transferOwnership(address newOwner) public onlyOwner {
  require(newOwner != address(0), "Ownable: new owner is the zero address");
  _newOwner = newOwner;
 }
}
contract AccentCoin is Context, Ownable, IERC20 {
 using SafeMath for uint256;
 mapping (address => uint256) private _balances;
 mapping (address => mapping (address => uint256)) private _allowances;
 uint256 private _totalSupply;
 string private _name;
 string private _symbol;
 uint8 private _decimals;
```

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constructor() {
 uint256 fractions = 10 ** uint256(18);
 _name = "Accent Coin";
 _symbol = "AC";
 _decimals = 18;
 _totalSupply = 500000000000 * fractions;
 _balances[owner()] = _totalSupply;
 emit Transfer(address(0), owner(), _totalSupply);
}
function name() public view returns (string memory) {
 return _name;
}
function symbol() public view returns (string memory) {
 return _symbol;
}
function decimals() public view returns (uint8) {
 return _decimals;
}
function totalSupply() public view override returns (uint256) {
 return _totalSupply;
}
function balanceOf(address account) public view override returns (uint256) {
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return _balances[account];
 }
 function transfer(address recipient, uint256 amount) public override returns (bool) {
  _transfer(_msgSender(), recipient, amount);
  return true;
 }
 function allowance(address owner, address spender) public view override returns (uint256) {
  return _allowances[owner][spender];
 }
 function approve(address spender, uint256 amount) public override returns (bool) {
  _approve(_msgSender(), spender, amount);
  return true;
 }
 function transferFrom(address sender, address recipient, uint256 amount) public override returns
(bool) {
  _transfer(sender, recipient, amount);
  _approve(sender, _msgSender(), _allowances[sender][_msgSender()].sub(amount, "ERC20:
transfer amount exceeds allowance"));
  return true;
 }
 function increaseAllowance(address spender, uint256 addedValue) public returns (bool) {
  _approve(_msgSender(), spender, _allowances(_msgSender())[spender].add(addedValue));
  return true;
 }
 function decreaseAllowance(address spender, uint256 subtractedValue) public returns (bool) {
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_approve(_msgSender(), spender, _allowances(_msgSender())[spender].sub(subtractedValue,
"ERC20: decreased allowance below zero"));
  return true;
 }
 function mint(address account, uint256 amount) public onlyOwner {
  _mint(account, amount);
  }
   function burn(uint256 amount) public {
     _burn(_msgSender(), amount);
   }
function burnFrom(address account, uint256 amount) public {
  uint256 decreasedAllowance = allowance(account, _msgSender()).sub(amount, "ERC20: burn
amount exceeds allowance");
  _approve(account, _msgSender(), decreasedAllowance);
  _burn(account, amount);
 }
 function _transfer(address sender, address recipient, uint256 amount) internal {
  require(sender != address(0), "ERC20: transfer from the zero address");
  require(recipient != address(0), "ERC20: transfer to the zero address");
  _beforeTokenTransfer(sender, recipient, amount);
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_balances[sender] = _balances[sender].sub(amount, "ERC20: transfer amount exceeds balance");
  _balances[recipient] = _balances[recipient].add(amount);
  emit Transfer(sender, recipient, amount);
 }
 function _mint(address account, uint256 amount) internal {
  require(account != address(0), "ERC20: mint to the zero address");
  beforeTokenTransfer(address(0), account, amount);
  _totalSupply = _totalSupply.add(amount);
  _balances[account] = _balances[account].add(amount);
  emit Transfer(address(0), account, amount);
 }
function _burn(address account, uint256 amount) internal {
  require(account != address(0), "ERC20: burn from the zero address");
  _beforeTokenTransfer(account, address(0), amount);
  _balances[account] = _balances[account].sub(amount, "ERC20: burn amount exceeds balance");
  _totalSupply = _totalSupply.sub(amount);
  emit Transfer(account, address(0), amount);
 }
 function _approve(address owner, address spender, uint256 amount) internal {
  require(owner != address(0), "ERC20: approve from the zero address");
  require(spender != address(0), "ERC20: approve to the zero address");
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_allowances[owner][spender] = amount;
  emit Approval(owner, spender, amount);
 }
 function _beforeTokenTransfer(
  address from,
  address to,
  uint256 amount
 ) internal virtual {}
 function withdraw(uint256 _amount, address _tokenAddress) public onlyOwner {
   require(_amount > 0);
   if(_tokenAddress == address(0)){
     payable(msg.sender).transfer(_amount);
   }else{
     IERC20 _token = IERC20(_tokenAddress);
     require(_token.balanceOf(address(this)) >= _amount);
     _token.transferFrom(address(this),msg.sender, _amount);
   }
 }
 function _afterTokenTransfer(
  address from,
  address to,
  uint256 amount
 ) internal {}
}
```