BC220 BT ASSIGNMENT: - 3

Program -

```
// SPDX-License-Identifier: GPL-3.0
pragma solidity >=0.8.2 <0.9.0;
// Write a smart contract on a test network, for Bank account of a customer for
// following operations: Deposit money | Withdraw Money | Show balance
contract demo{
mapping(address => uint) public user account;
mapping(address => bool) public user exist;
function create account() public payable returns(string memory){
require(user exist[msg.sender] == false, "Account Already created!");
user_account[msg.sender] = msg.value;
user exist[msg.sender] = true;
return "Account created";
function deposit(uint amount) public payable returns(string memory){
require(user exist[msg.sender] == true, "Account not created!");
require(amount > 0, "Amount should be greater than 0");
user account[msg.sender] += amount;
return "Amount deposisted sucessfully";
}
function withdraw(uint amount) public payable returns(string memory){
require(user exist[msg.sender] == true, "Account not created!");
require(amount > 0, "Amount should be greater than 0");
require(user account[msg.sender] >= amount, "Amount is greater than money deposisted");
user account[msg.sender] -= amount;
return "Amount withdrawn sucessfully";
}
function account balance() public view returns(uint){
return user account[msg.sender];
function account exists() public view returns(bool){
return user exist[msg.sender];
}
}
```

Output -



