```javascript
// Here is JavaScript part
/**
 * register account
 */
function register(){
    var name=document.getElementById("account").value;
    var password=document.getElementById("password").value;

    sessionStorage.setItem('name',name);
    sessionStorage.setItem('password',password);

    window.location.href= './login.html';
}

function login(){
    var name1=document.getElementById("account").value;
    var password1=document.getElementById("password").value;
    var name = sessionStorage.getItem('name');
    var password = sessionStorage.getItem('password');
    if(name==name1 && password==password1){
    alert("Welcome to the bank")

    sessionStorage.setItem("balance",0);
        success()
    }
    else{
        alert("Wrong password or account, please try again")
    }
}
function success(){
    document.getElementById("success")
    window.location.href= './account.html'

}

var profitpers=[0.08,0.04,0.05,0.025,0.02]
var years = [20,10,15,5,0]

/**
 * check balances
 */
function checkbalance(){
    alert("Your balance is "+ sessionStorage.getItem("balance"))
}
```

```javascript
/**
 * withdraw money
 */

function withdraw(){
    var withdraw = prompt("How many do you want to withdraw?")
    if (withdraw == "" || withdraw == null){
        alert ("wrong input!")
        withdraw = 0
    }
    else{
        var balance = parseInt(sessionStorage.getItem("balance"))
        balance = balance - parseInt(withdraw)
        if(balance<0){
        alert("There's no enough balance")
        balance=balance + parseInt(withdraw)
        }
        else{
            alert("Withdraw success, your current balance is "+ balance)
        }
        sessionStorage.setItem("balance",balance)
    }
}
/**
 * deposit money
 */


function deposit(){
    var deposit = prompt("How many do you want to deposit?")
    var balance = parseInt(sessionStorage.getItem("balance"))
    if (deposit == "" || deposit == null){
        alert ("wrong input!")
        deposit = 0
    }
    else{
    balance = balance + parseInt(deposit)
        alert("Deposit success, your current balance is "+ balance)
        sessionStorage.setItem("balance",balance)
    }
}


function choice(){
```

```javascript
        var balance = parseInt(sessionStorage.getItem("balance"))

        var promptText = ""

        for(let i=0;i<profitpers.length ;i++){
            if(years[i] == 0){
                var year = 'any'
            }else{
                var year = years[i]
            }
            var choiceLine = i+1 +". " + profitpers[i] * 100 + "% for each year and last "+
year + " years.\n"
            promptText += choiceLine
        }



        var choice = parseInt(prompt(promptText))



        if(choice >0 && choice <= 5){
            let totalMoney = calBalanceByChoice(balance,choice)
            alert("Prediction of your balance is = " + totalMoney)
            var ensure = prompt("Are you sure to choose this interest method? Input yes or
no.")
            if (ensure=="yes"){
                    alert("choose success")
                    alert("after "+year+" years ......")
                    sessionStorage.setItem("balance",totalMoney)
            }
            else if(ensure="no"){
                alert("please choose again!")
            }
            else{
                alert("wrong input!")
            }
        }else{
            alert('please input a nubmer between 1 to 5!')
        }

}
/**
  * calculate total balance after years
  *
```

```
 * @param {int} balance
 * @param {int} choice
 * @returns total balance
 */

function calBalanceByChoice(balance,choice){
    var profitper = profitpers[choice-1];
    if(choice >0 && choice < 5){
        var year = years[choice-1];
    }else if(choice == 5){
        var   year = parseInt(prompt("choose the year you want to have"));
    }
    var totalMoney = balance;
    for(i = 1; i<= year; i++){
        totalMoney = totalMoney + balance*profitper;
    }
    return totalMoney;
}

//Here is HTML part
<html>
    <head>
        <script src="./bank.js"></script>
    </head>
    <body>
<div name="success">
    <label id="success"></label>
<center> <table border="3">
    <tr>
        <td colspan="3">
    <center>
        Choose your option
    </center>
        </td>
    </tr>
    <tr>
        <td>
          Check balance
        </td>


    <td>
        <button type="submit" id="bt1" onclick="checkbalance()">check
balance</button>
```

```html
        </td>
        </tr>
</tr>
<tr>
    <td>
     Withdraw
    </td>



<td>
    <button type="submit" id="bt2" onclick="withdraw()">withdraw</button>
</td>
</tr>
<tr>
    <td>
     Deposit
    </td>



<td>
    <button type="submit" id="bt3" onclick="deposit()">deposit</button>
</td>
</tr>



</tr>
<tr>
<td>
    Annual interest rate
</td>



<td>
<button type="submit" id="bt4" onclick="choice()">Annual interest rate choice</button>
</td>
</tr>
</tr>
<tr>
</table></center>

</div>
<div id="show">
</div>
</body>
```

```html
</html>

<html>
    <head>
        <script src = "./bank.js"></script>
    </head>
    <body>
        <h1> Register Account</h1>
        <form>

                account:<input type="text" id="account" ></input>
                password:<input type="password" id="password" ></input>
                    <div>
                        <button name="bt1" onclick="register()"
type="button">Register</button>
                    </div>
        </form>

    </body>
</html>

<html>
    <head>
        <script src = "./bank.js"></script>
    </head>
    <body>
        <form>

                account:<input type="text" id="account" ></input>
                password:<input type="password" id="password" ></input>
                    <div>

                        <button name="bt1" onclick="login()"
type="button">Login</button>
                        <div>
                            <a href="./register.html">register account</a>
                        </div>
                    </div>
        </form>

    </body>
</html>
```