Module 27-Bank Calculation Using Function (advanced)

27-1 Module overview and project setup

27-2 Get User deposit and set deposit total value

27-3 Update deposit and balance and handle string add

27-4 Money withdraw and reduce balance for withdraw

27-5 (advanced) Common function to reduce code repeat

```
function doubleIt(num) {
  const result = num * 2;
  return result;
}

const fiveDouble = doubleIt(5);
const severDouble = doubleIt(7);

function getInputValue() {
  const depositInput = document.getElementById("deposit-input");
  const newDepositAmountText = depositInput.value;
  const newDepositAmount = parseFloat(newDepositAmountText);

  depositInput.value = "";

  return newDepositAmount;
}
```

27-6 (advanced) Share one function between two input field

```
function getInputValue(inputId) {
  const inputField = document.getElementById(inputId);
  const inputAmountText = inputField.value;
  const amountValue = parseFloat(inputAmountText);

  // clear input field
  inputField.value = "";
  return amountValue;
}
```

27-7 (advanced) Deposit and withdraw update with one function

```
function updateTotalField(totalFieldId, amount) {
  // debugger;
  const totalElement = document.getElementById(totalFieldId);
  const totalText = totalElement.innerText;
  const previousTotal = parseFloat(totalText);

  totalElement.innerText = previousTotal + amount;
}
```

27-8 (advanced) Shared Balance update function

```
function updateBalance(newDepositAmount, isAdd) {
  const balanceTotal = document.getElementById("balance-total");
  const balanceTotalText = balanceTotal.innerText;
  const previousBalanceTotal = parseFloat(balanceTotalText);

  if ((isAdd == true))
  {
    if (newDepositAmount > 0) {
      const newBalanceTotal = previousBalanceTotal + newDepositAmount;
      balanceTotal.innerText = newBalanceTotal;
    }
    else
    {
      console.log("Not enought taka");
    }
  }
  else
  {
    if (previousBalanceTotal >= newDepositAmount && newDepositAmount >
0) {
      const newBalanceTotal = previousBalanceTotal - newDepositAmount;
      balanceTotal.innerText = newBalanceTotal;
    } else {
      console.log("Not enought balnace");
    }
  }
}
```

27-9 (advanced) Nested function and error handling