```
// Q. Ask user's age and check if eligible to vote.

let age = prompt("Enter your age : ");
if(age===null){
    console.error("You cancel led it.");
}
else if(age.trim()===""){
    console.error("Enter age error");
}
else {
    age = Number(age);
    if(isNaN(age)) console.error("Invalid age error");
    else if(age>=18) console.log("Eligible for vote");
    else if(age<0) console.error("Invalid age error");
    else console.log("Not eligible for vote");
}

```

```
// Q. Print multiplication table of 5 Use loop to print 5 x 1 to 5 x 10.

let num = 5;

for(let i=1;i<11;i++){
    console.log(`${num} x ${i} = ${num*i}`);
}

// Output:
            // 5 x 1 = 5
            // 5 x 2 = 10
            // 5 x 3 = 15
            // 5 x 4 = 20
            // 5 x 5 = 25
            // 5 x 6 = 30
            // 5 x 7 = 35
            // 5 x 8 = 40
            // 5 x 9 = 45
            // 5 x 10 = 50
```

```
// Q. Count how many numbers between 1 and 15 are greater than 8 Loop and count conditionally.

let count = 0;
for(let i=1;i<15;i++){
    if(i>8) count++;
}
console.log(`The numbers between 1 and 15 greater than 8 are ${count} Numbers.`);

// Output:
    // The numbers between 1 and 15 greater than 8 are 6 Numbers.

```

```
1  //Q. Ask user for password and print access status Hardcoded correct password. compare with user input.
2
3  let password = "swanand@123";
4  let enteredPass = prompt("Enter your password :");
5
6  if(enteredPass === null) console.error("Canclled to enter password");
7  else if(enteredPass===password) console.log("Correct Password");
8  else console.error("Incorrect password error");
9
```

```
// Q. Allow only 3 attempts to enter correct password if user gets it right early, stop. If not -> "Account locked".

let password = "swanand";
let attempts = 0;
let enteredPass;
while(enteredPass !== password){
    if(attempts===3) {
        console.error("Account locked!");
        break;
    }
    enteredPass = prompt("Enter the password :");
    if(enteredPass===null){
        console.error("Cancelled to enter password!");
        break;
    }
    else if(enteredPass===password){
        console.log("Correct password");
        break;
    }
    attempts++;
}
```

```
let countYes = 0;
let word;

while(word !== "stop"){
    word = prompt("Enter a Word :");
    if(word === null){
        console.error("Cancelled to enter words");
        break;
    }
    word = word.trim().toLowerCase();
    if(word === "yes"){
        countYes++;
    }
}

console.log(`You entered yes ${countYes} times.`);

```

```
1  //Q. Print numbers divisible by 7 from 1 to 50 Use modulo % and loop.
2
3  for(let i=1;i<51;i++){
4      if(i%7 === 0){
5          console.log(i);
6      }
7  }
8
9  // Output:
10 //     7
11 //     14
12 //     21
13 //     28
14 //     35
15 //     42
16 //     49
17
18
```

```js
// Q. Sum of all odd numbers from 1 to 30 Add only odd numbers. Print Final sum.

let sum = 0;

for(let i=1; i<31;i++){
    if(i%2 !== 0){
        sum+=i;
    }
}

console.log(`Total sum of odd numbers from 1 to 30 is ${sum}`);

// Output : Total sum of odd numbers from 1 to 30 is 225


```

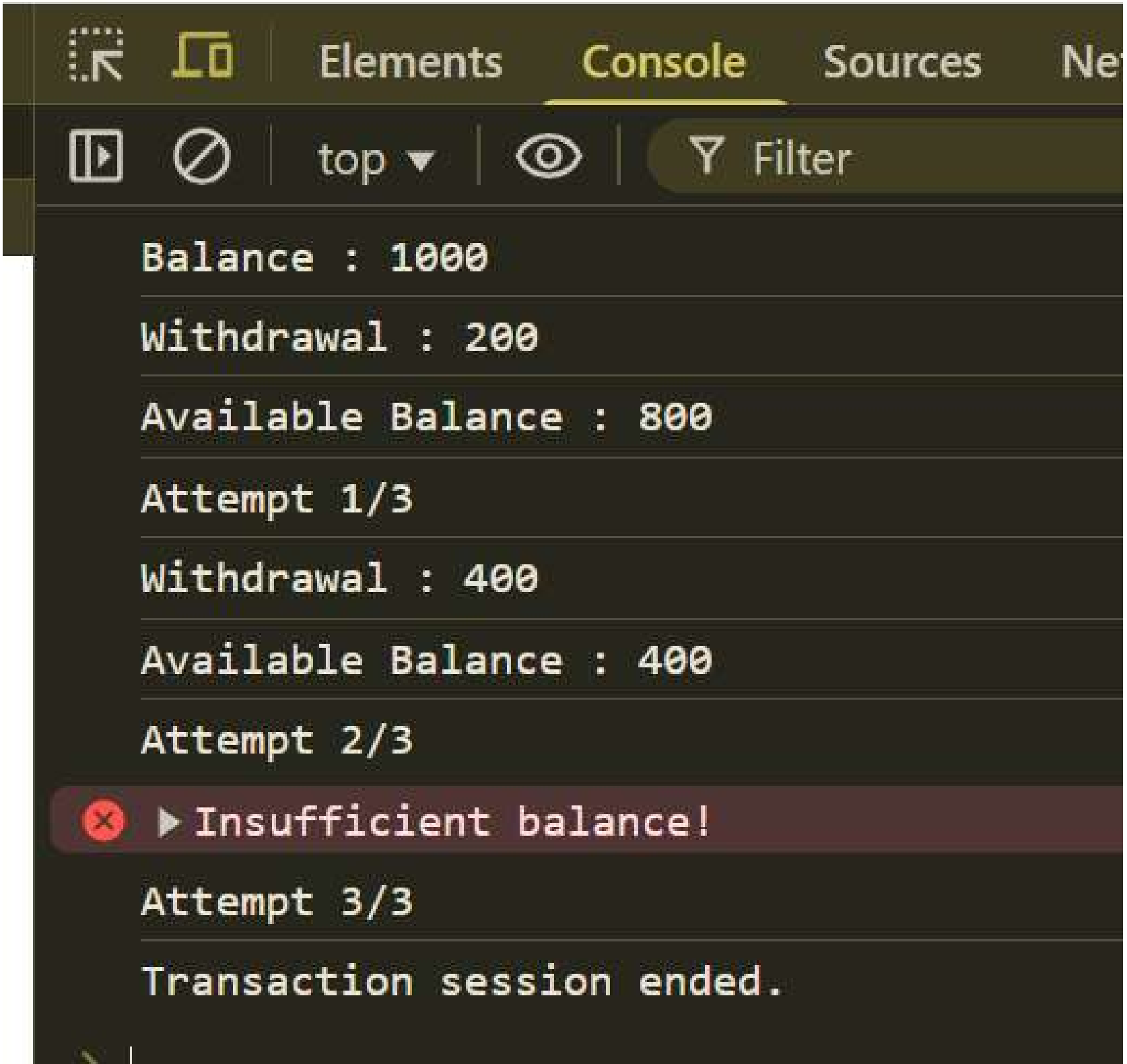
```
// Q. Keep asking number until user enters an even number, use while loop. Stop only if Input is even.

let input;

while(true){
    input = prompt("Enter a number :");
    if(input === null){
        console.error("Cancelled input");
        break;
    }
    else if(input.trim() === ""){
        console.error("Enter number");
        break;
    }
    else if(isNaN(input)){
        console.error("Invalid input");
        break;
    }
    else if(input%2 === 0){
        console.log(input);
        console.error("Entered Even Number");
        break;
    }
    else{
        console.log(input);
    }
}


```

```
// Q. Print numbers between two user inputs Input start and end using prompt() -> print all between.

let start = prompt("Enter starting from :");
let end = prompt("Enter ending to :");

if (start === null || end === null) {
  console.error("Cancelled to enter input!");
} else if (start.trim() === "" || end.trim() === "") {
  console.error("Nothing entered input!");
} else {
  start = Number(start);
  end = Number(end);
  if (isNaN(start) || isNaN(end)) {
    console.error("Invalid Input!");
  } else {
    if (start <= end) {
        for (let i = start; i < end + 1; i++) {
            console.log(i);
        }
    }
    else{
        for(let i=start;i>=end;i--){
            console.log(i);
        }
    }
  }
}

```

```
// Q. Print only first 3 odd numbers from 1 to 20 Use loop. Stop with break after 3 odd prints.

let oddCount=0;

for(let i=1;i<=20;i++){
    if(i%2 !== 0){
        console.log(i);
        oddCount++;
        if(oddCount === 3) break;
    }
}

// Output :
    // 1
    // 3
    // 5
```

```
// Q. Ask user 5 numbers.Count how many are positive Use loop + condition + counter.

let positiveCount = 0;
let num;

for (let i = 1; i < 6; i++) {
  num = prompt("Enter a Number :");
  if (num === null) {
    console.error("Cancelled input!");
    break;
  } else if (num.trim() === "") {
    console.error("Empty Input!");
    continue;
  } else {
    num = Number(num);
    if (isNaN(num)) {
      console.error("Invalid Input!");
      continue;
    } else {
        console.log(num);
        if(num > 0){
            positiveCount++;
        }
    }
  }
}

console.log(`There are ${positiveCount} numbers are positive.`);

```

```
// Q. ATM Simulator - Allow 3 withdrawals Starts with rs 1000 balance.Ask withdrawal amount 3 times.If enough balance -> deduct Else -> print "Insufficient Balance".

let balance = 1000;
let count = 0;
console.log(`Balance : ${balance}`);
while (balance >= 0 && count < 3) {
  let withdrawal = prompt("Withdrawal money :");
  if (withdrawal === null) {
    console.error("Cancle withdrawal!");
  } else if (withdrawal.trim() === "") {
    console.error("Blanck withdrawal!");
  } else {
    withdrawal = Number(withdrawal);
    if (isNaN(withdrawal)) {
      console.error("Something went wrong!");
    } else {
      if (balance < withdrawal) {
        console.error("Insufficient balance!");
      } else {
        balance -= withdrawal;
        console.log(`Withdrawal : ${withdrawal}`);
        console.log(`Available Balance : ${balance}`);
      }
    }
  }
  count++;
  console.log(`Attempt ${count}/3`);
}
console.log("Transaction session ended.");

```


Elements
Console
Sources
top
Filter
Balance : 1000
Withdrawal : 200
Available Balance : 800
Attempt 1/3
Withdrawal : 400
Available Balance : 400
Attempt 2/3
Insufficient balance!
Attempt 3/3
Transaction session ended.