1.Check if a number is even or odd
Question
Write a javascript program that prompts the user to enter a number and alerts "even" if the number is even,or "odd" if the number is odd.Use the modulus operator % to check if the number is divisible by 2.
Input(via prompt):
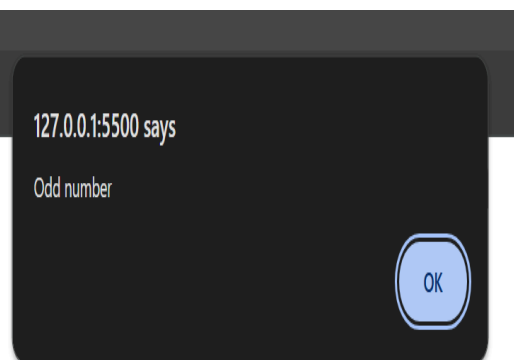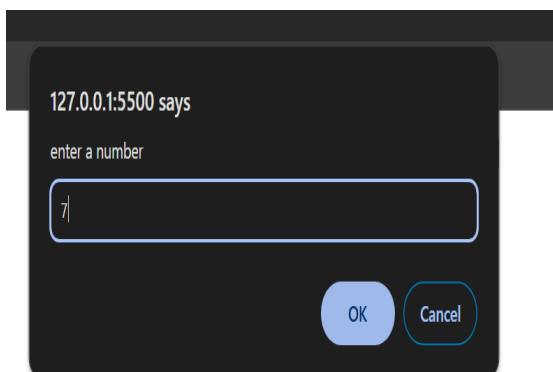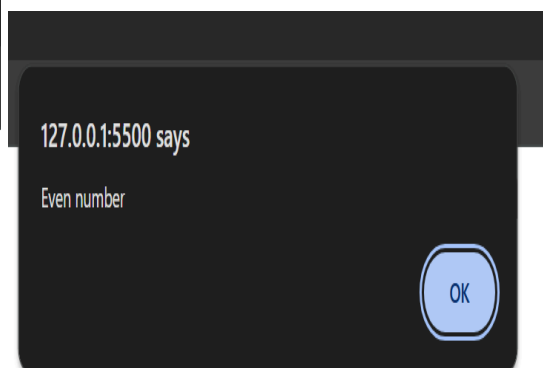Enter a number : 7
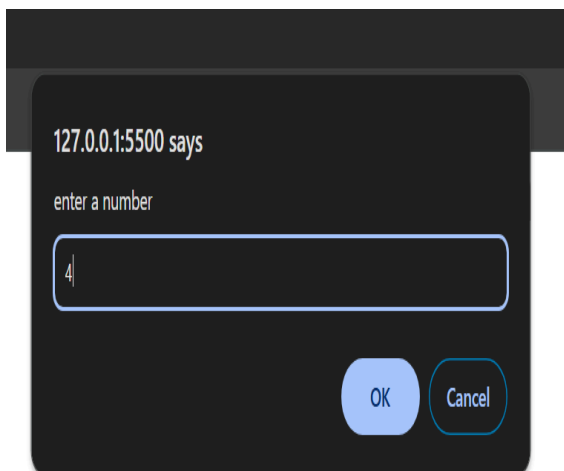output(via alert):
"Odd"
Input :
Enter a number : 10
Output:
"Even"
Code:

```javascript
var x= +prompt("enter a number");
if(x%2==0){
    alert("Even number")
}
else{
    alert("Odd number")
}
```

2.compare two numbers
Question:
Write a javascript program that prompts the user to enter two numbers and alerts
"Greater" if the first number is greater than the second,
"Equal" if both numbers are equal,
"Smaller" if the first number is smaller than the second.
Input(via prompt):
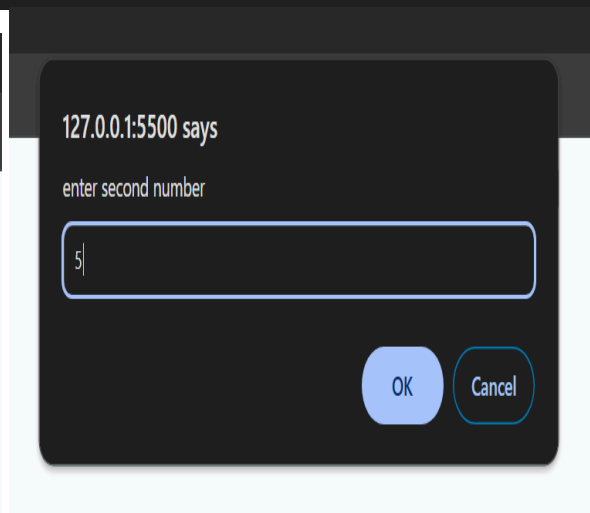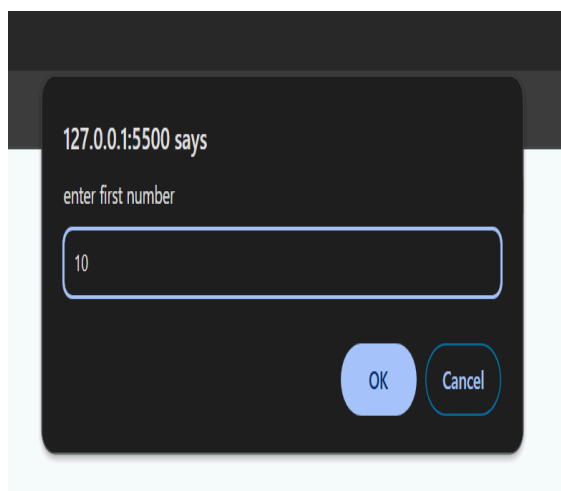Enter the first number:10
Enter the second number:5
Output:
"Greater"
Input:
Enter the first number:7
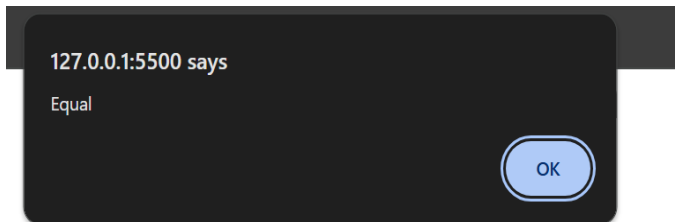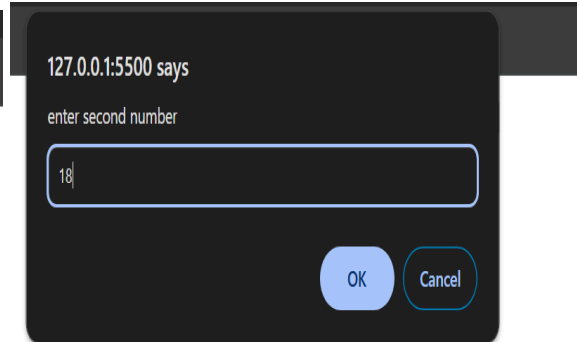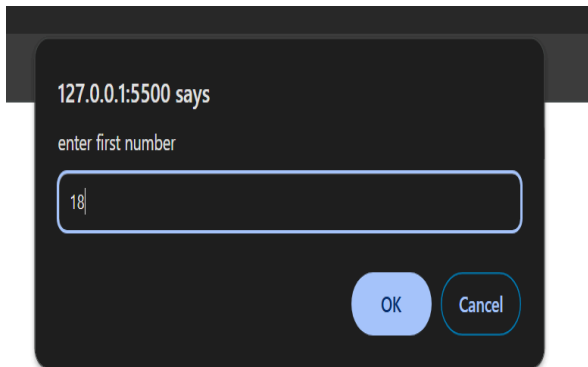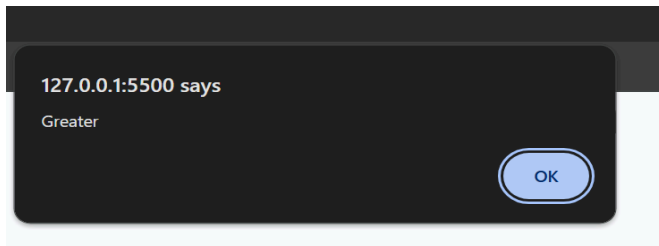Enter the second number: 7
Output:
"Equal".
Code:

```javascript
var y=+prompt("enter first number");
var z=+prompt("enter second number");
if(y>z){
    alert("Greater");
}
else if(y==z){
    alert("Equal");
}
else{
    alert("Smaller");
}
```

127.0.0.1:5500 says

enter first number

10

OK   Cancel

127.0.0.1:5500 says

enter second number

5

OK   Cancel

3.driving eligibility check

Question:

Write a javascript program that prompts the user to enter their age and whether they have a valid driver's licence(true or false).The program should alert "Can drive" if the person is 18 or older and has a valid driver's licence,Otherwise it should alert "cannot drive"

Input

Enter your age : 20

Do you have a valid driver's licence :true

Output:

"Can drive"

Input

Enter your age:16

 Do you have a valid driver's licence :true

Output:

"Cannot Drive"

Code:

```
var age=+prompt("enter your age");
var driving_license = prompt("Do you have a valid driving license");
 if(age>=18){
    if(driving_license=="true") {
        alert("Can Drive");
    }
    else{
        alert("Cannot drive");
```

```
        }
}
else{
    alert("Cannot drive");
}
```

127.0.0.1:5500 says

enter your age

19

OK   Cancel

127.0.0.1:5500 says

Do you have a valid driving license

true

OK   Cancel

127.0.0.1:5500 says

Can Drive

OK

127.0.0.1:5500 says

enter your age

17

OK   Cancel

127.0.0.1:5500 says

Do you have a valid driving license

true

OK   Cancel

127.0.0.1:5500 says

Cannot drive

OK

4.determine if a number is positive,negative or zero
Question
Write a javascript program that prompts the user to enter a number and alerts "Positive" if the number is greater than 0,"Negative" if the number is less than 0,zero if the number is 0.
Input:
Enter a number: 5
Expected output
"Positive"
Input:
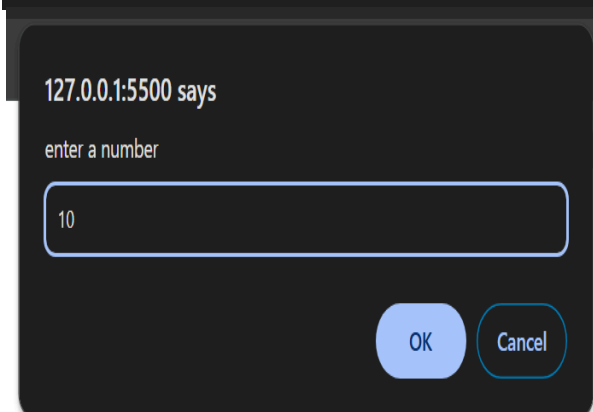Enter a number: -3
Output
"Negative"
Enter a number:0
Output:
"Zero"
Code:

```javascript
var num=+prompt("enter a number");
if(num>0){
    alert("Positive");
}
else if(num==0){
    alert("Zero");
}
else{
    alert("Negative")
}
```

127.0.0.1:5500 says

enter a number

10

OK   Cancel

127.0.0.1:5500 says

Positive

OK

127.0.0.1:5500 says

enter a number

-33

OK   Cancel

127.0.0.1:5500 says

Negative

OK