

Experiment no:-3

Date:-

Javascript

3.a Course Name: Javascript

Module Name: Type of Identifiers

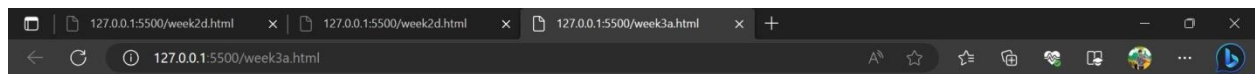
Write a JavaScript program to find the area of a circle using radius (var and let-reassign and observe the difference with var and let) and PI (const).

Program:-

```
<html>
<body>
<h2>Area of a circle with var and let</h2>
<script
src="week.js"></script>

</body>
</html>
```

Output:-



Area of a circle with var and let

Area of circle after re-assigning var==615.44
Area of circle using let=314



3b) Course Name: Javascript

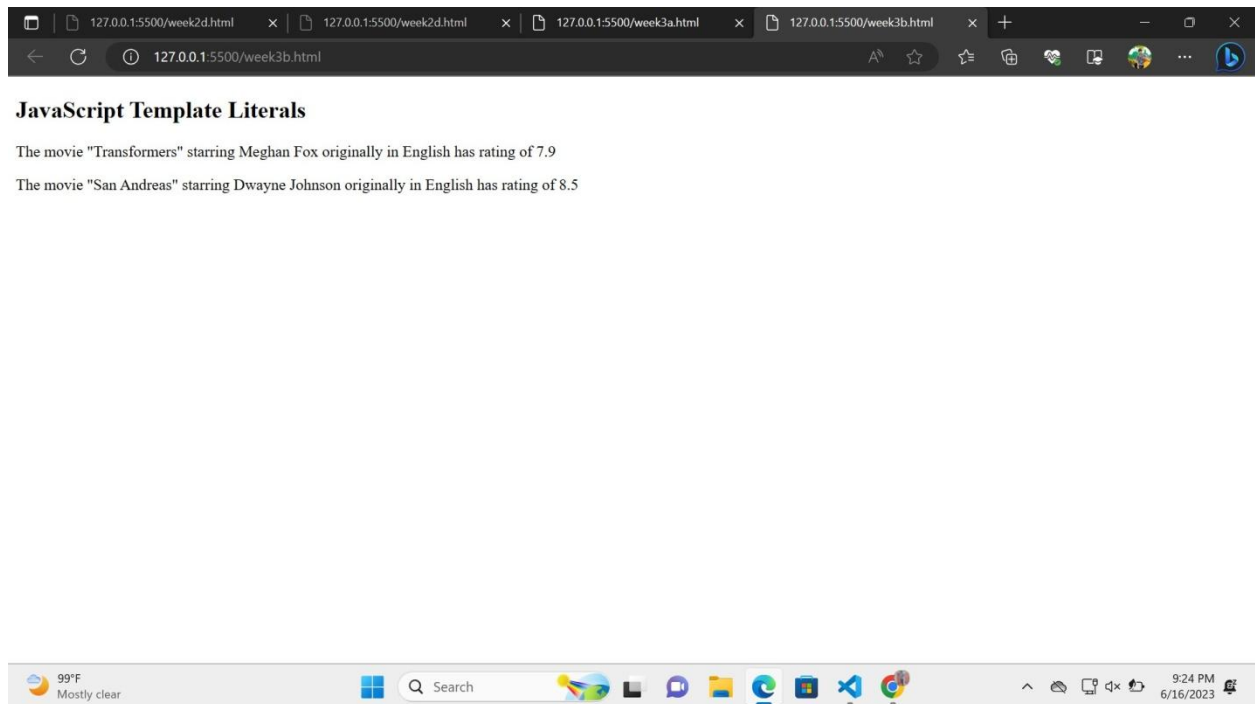
Module Name: Primitive and Non Primitive Data Types

Write JavaScript code to display the movie details such as 2 movie name, starring, language, and ratings. Initialize the variables with values of appropriate types. Use template literals wherever necessary.

Program:-

```
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript Template Literals</h2>
<p id="demo"></p>
<p id="demo1"></p>
<script
  src="weekq.js"></script>
</body>
</html>
```

Output:-



3c) Course Name: Javascript

Module Name: Operators and Types of Operators

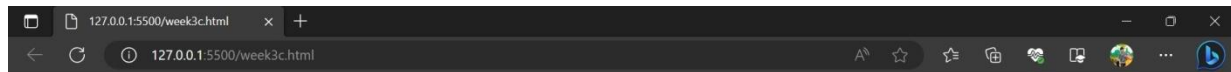
Write JavaScript code to book movie tickets online and calculate the total price, considering the number of tickets and price per ticket as Rs. 150. Also, apply a festive season discount of 10% and calculate the discounted amount

Program:-

```
<!DOCTYPE html>
<html>
<head>
</head>
<body style = "text-align: center; font-size: 20px;">
  <h1> Online seats reservation </h1>
  Enter the number of seats: <input id = "number">
  <br><br>
  <button onclick = "m()">Pay only</button>
  <p id = "res"></p>
  <script
    src="function.js"></script>

</body>
</html>
```

Output:-



Online seats reservation

Enter the number of seats:

The total price is 4 is: 540



Online seats reservation

Enter the number of seats:

The total price is 4 is: 540



3d) Course Name: Javascript

Module Name: Types of Statements, Non -Conditional Statements, Types of Conditional Statements, if Statements, switch Statements

Write a JavaScript code to book movie tickets online and calculate the total price based on the conditions:

- (a) If seats to be booked are not more than 2, the cost per ticket remains Rs. 150.
- (b) If seats are 6 or more, booking is not allowed.
- (c) If seats to be booked are more than 2 but less than 6, based on the number of seats booked, do the following - Calculate total cost by applying discounts of 3, 5, 7, 9, 11 percent, and so on for customer 1, 2, 3, 4 and 5. Try the code with different values for the number of seats

Program:-

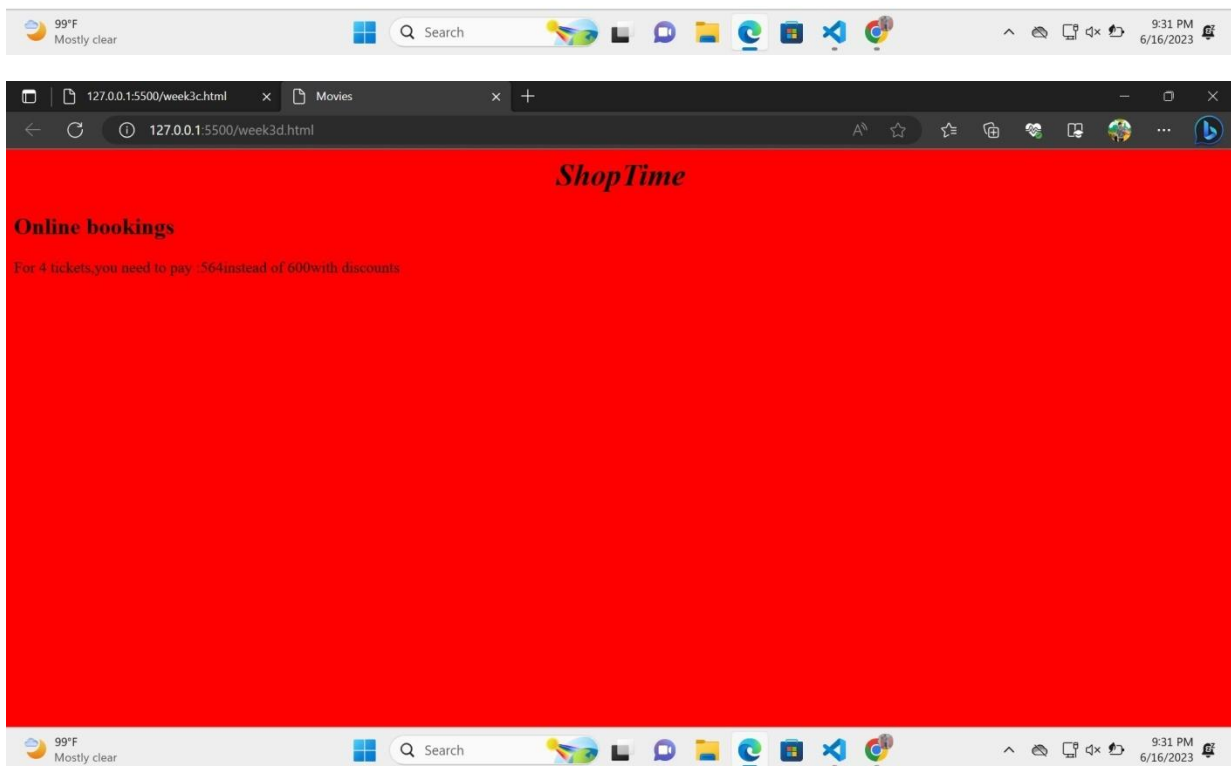
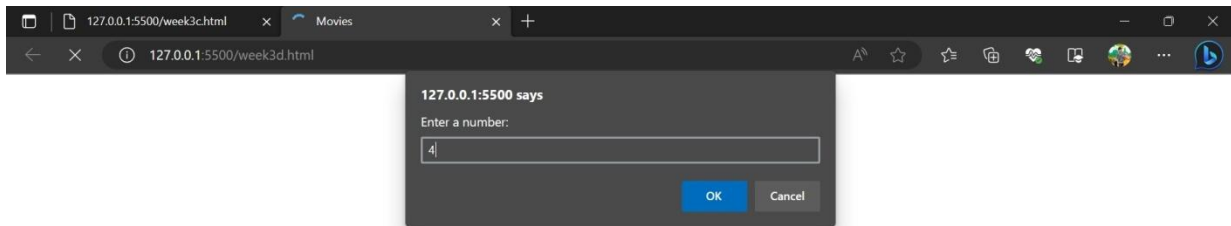
```
<html>
<head>
<title>Movies</title>
</head>
<body bgcolor="red">
<h1 align="center"><i>ShopTime</i></h1>
<h2>Online bookings</h2>
<script bgcolor="white">
n=window.prompt("Enter a number:");
if(n<=2)
{
    tcost=n*150
    document.write("For n tickets,you need to pay :",tcost);
}
else if(n>=6)
{
    document.write("Bookings are not Allowed");
}
else
{
    if (n==3)
    {
        t1=150-(150*(3/100));
```

```

        t2=150-(150*(5/100));
        t3=150-(150*(7/100));
        tcost=t1+t2+t3;
        document.write("For 3 tickets,you need to pay :",tcost,"instead of ",(150*3),"with
discounts");
    }
    else if (n==4)
    {
        t1=150-(150*(3/100));
        t2=150-(150*(5/100));
        t3=150-(150*(7/100));
        t4=150-(150*(9/100));
        tcost=t1+t2+t3+t4;
        document.write("For 4 tickets,you need to pay :",tcost,"instead of ",(150*4),"with
discounts");
    }
    else
    {
        t1=150-(150*(3/100));
        t2=150-(150*(5/100));
        t3=150-(150*(7/100));
        t4=150-(150*(9/100));
        t5=150-(150*(11/100));
        tcost=t1+t2+t3+t4+t5;
        document.write("For 5 tickets,you need to pay :",tcost,"instead of ",(150*5),"with
discounts");
    }
}
</script>
</body>
</html>

```

Output:-



3e. Course Name: Javascript

Module Name: Types of Loops

Write a JavaScript code to book movie tickets online and calculate the total price based on the3 conditions: (a) If seats to be booked are not more than 2, the cost per ticket remains Rs. 150. (b) If seats are 6 or more, booking is not allowed. (c) If seats to be booked are more than 2 but less than 6, based on the number of seats booked, do the following - Calculate total cost by applying a discount of 3, 5, 7, 9, 11 percent, and so on for customers till 5 respectively. Try the code with different values for the number of seats. implement the problem statement using “for” loop, “while” loop and “do-while” loop.

Program:-

```
<html>
<head>
<title>Movies</title>
</head>
<body bgcolor="white">
<h1 align="center"><i>ShopTime</i></h1>
<h2>Online bookings</h2>
<script bgcolor="lavender">
n=window.prompt("Enter a number:");
if(n<=2)
{
    tcost=n*150
    document.write("For n tickets,you need to pay :",tcost);
}
else if(n>=6)
{
    document.write("Bookings are not Allowed");
}
else
{
    if (n==3)
    {
        t1=150-(150*(3/100));
        t2=150-(150*(5/100));
```

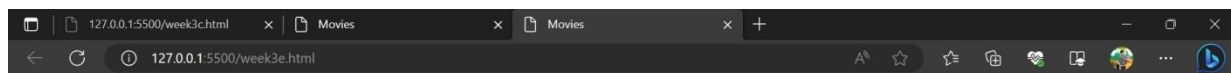
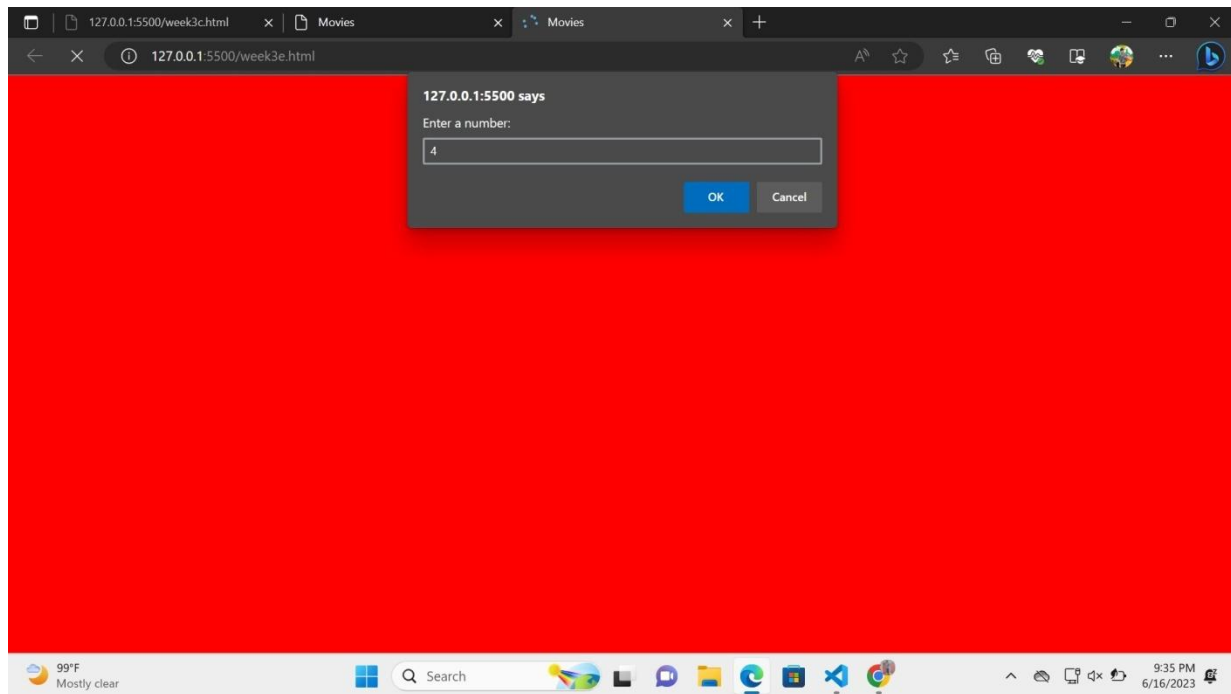


```

        t3=150-(150*(7/100));
        tcost=t1+t2+t3;
        document.write("For 3 tickets,you need to pay :",tcost,"instead of ",(150*3),"with
discounts");
    }
    else if (n==4)
    {
        t1=150-(150*(3/100));
        t2=150-(150*(5/100));
        t3=150-(150*(7/100));
        t4=150-(150*(9/100));
        tcost=t1+t2+t3+t4;
        document.write("For 4 tickets,you need to pay :",tcost,"instead of ",(150*4),"with
discounts");
    }
    else
    {
        t1=150-(150*(3/100));
        t2=150-(150*(5/100));
        t3=150-(150*(7/100));
        t4=150-(150*(9/100));
        t5=150-(150*(11/100));
        tcost=t1+t2+t3+t4+t5;
        document.write("For 5 tickets,you need to pay :",tcost,"instead of ",(150*5),"with
discounts");
    }
}
</script>
</body>
</html>

```

Output:-



ShopTime

Online bookings

For 4 tickets, you need to pay :564 instead of 600 with discounts

