

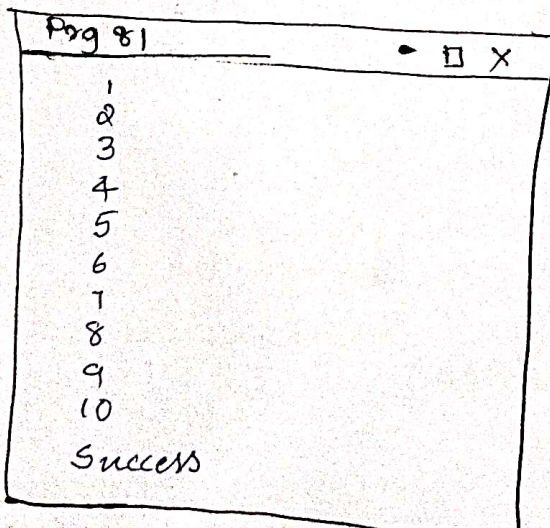
WEEK -15	Lab Exercise Programs	DATE:
Java Script Programs on Looping Statements		LAB FACULTY SIGN:
<p>81. Write a JavaScript program print 1 to 10 using for loop, while.</p> <p>82. Write a JavaScript program to find factorial of given number using all loops.</p> <p>83. Write a JavaScript program to print Fibonacci series.</p> <p>84. Write a JavaScript program to print multiplication Table using for loop.</p> <p>85. Write a JavaScript program to check the given number is prime or not using for loop.</p> <p>86. Write a JavaScript program to verify given number is palindrome or not.</p> <p>87. Write a JavaScript program to find sum of individual digits of given number.</p>		CLASS FACULTY SIGN:
Assessment: <ol style="list-style-type: none"> Write a JavaScript program to wish good morning, good afternoon, good evening depending on the current time. Write a JavaScript program to print 1 to N prime numbers using for loop. 		

51)

```

using for
<html>
<head>
<Script type="text/javascript">
for(i=1; i<=10; i++)
{
document.write(i, "<br>")
}
</Script>
</head>
<body>
<h1> Success </h1>
</body>
</html>

```



using while

```
<html>
<head>
<script
  type="text/javascript">
  i=1
  while(i<=10)
  {
    document.write
      (i, "<br>")
    i++
  }
</script> </head>
<body>
  success
</body>
</html>
```


82) using for

```

<html>
<head>
<script type="text/javascript">
n=parseInt(prompt("Enter n value"))
result=1
for(i=1; i<=n; i++)
{
result = result * i
}
document.write("factorial:", result)
</script> </head> <body>
<h1> Success </h1>
</body> </html>

```

using while:

```

<head>
<script type="text/javascript">
n=parseInt(prompt("Enter n"))
result=1
i=1
while(i<=n)
{
result *= i
i++
}
document.write("factorial:", result)
</script> </head> <body>
<h1> Success </h1>
</body>

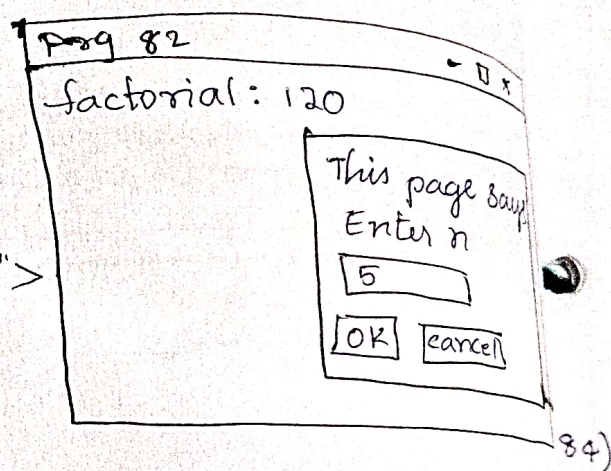
```

using do-while:

```

<head> <script type="text/javascript">
n=parseInt(prompt("Enter n:"))
result=1
i=1
do {
result *= i
i++
} while(i<=n);
document.write("factorial:", result)
</script> </head> <body>
Success </body>

```

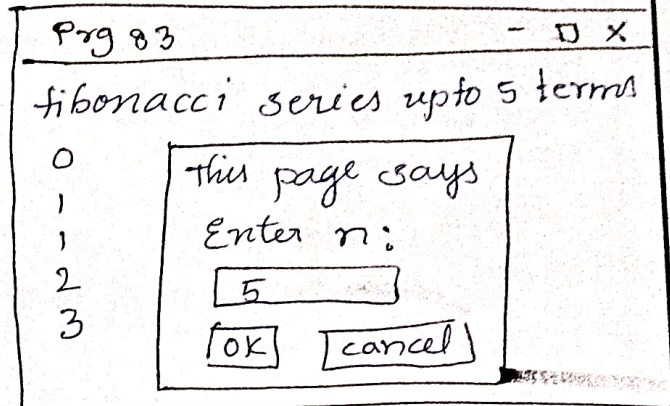


83)

```

<html>
<head>
<script type="text/javascript">
n=parseInt(prompt("enter n:"))
var a=0, b=1, next
document.write(" fibonacci series upto", number, " terms")
for(i=1; i<=n; i++)
{
document.write(a, "<br>")
next = a+b
a = b
b = next
}
</script> </head>
</html>

```

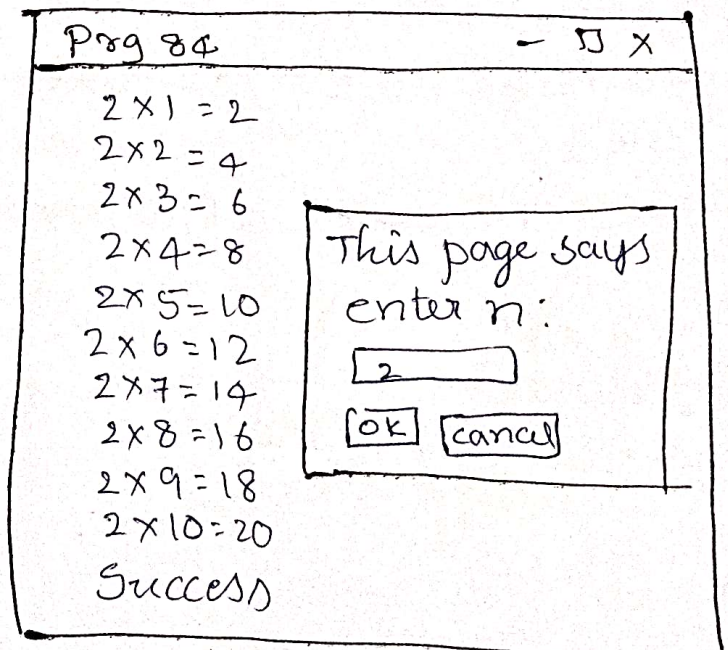


84)

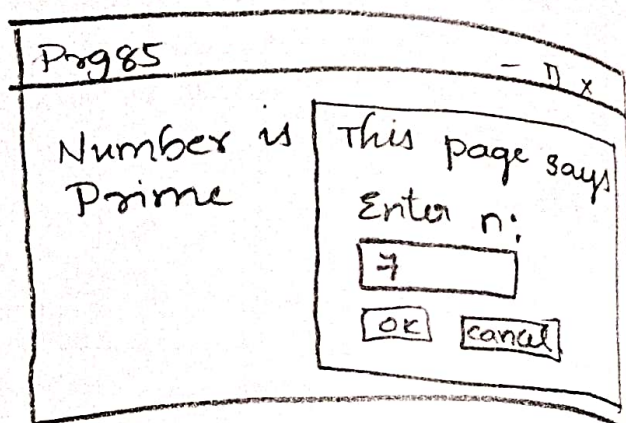
```

<html>
<head>
<script type="text/javascript">
n=parseInt(prompt("enter n:"))
for(i=1; i<=10; i++)
{
x = n * i
document.write(n, "x", i, " = ", x, "<br>")
}
</script>
</head>
<body>
<H2> Success </H2>
</body>
</html>

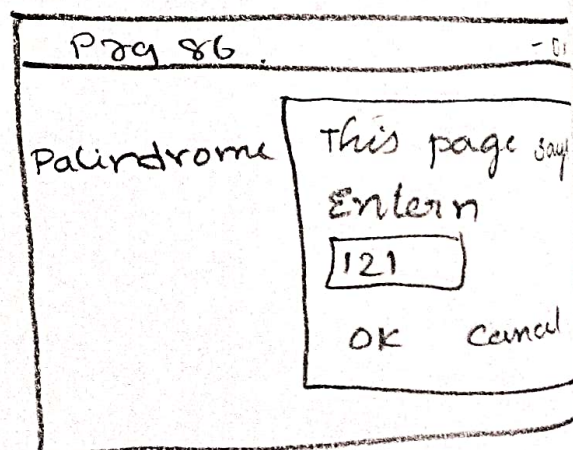
```



85) `<html>`
`<head>`
`<script>`
`var n = parseInt(prompt("enter n:"))`
`var count = 0`
`for(i=2; i<=n/2; i++)`
`{`
`if(n%i==0){`
`document.write("number is not prime")`
`count = 1`
`break`
`}`
`if(count == 0){`
`document.write("number is prime")`
`}`
`</script>`
`</head>`



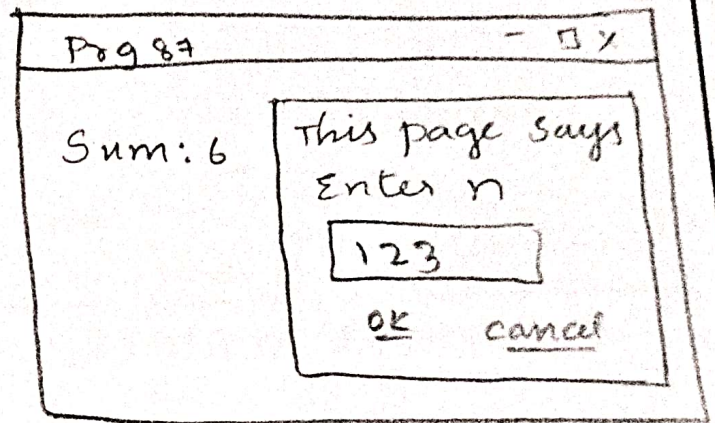
86) `<html>` `<head>`
`<script type="text/javascript">`
`var n = parseInt(prompt("enter n:"))`
`var sum = 0, rem, temp = n`
`while (n > 0) {`
`rem = n % 10`
`sum = (sum * 10) + rem`
`if (sum == temp) {`
`document.write("palindrome")`
`} else {`
`document.write("not palindrome")`
`}`
`</script>`
`</head>`
`</html>`




```

87) <html>
<head>
<script type="text/javascript">
n=parseInt(prompt('enter n'))
sum=0
while(n>0){
r=n%10
sum=sum+r
n=Math.floor(n/10)
}
document.write("sum:",sum)
</script>
</head>
</html>

```

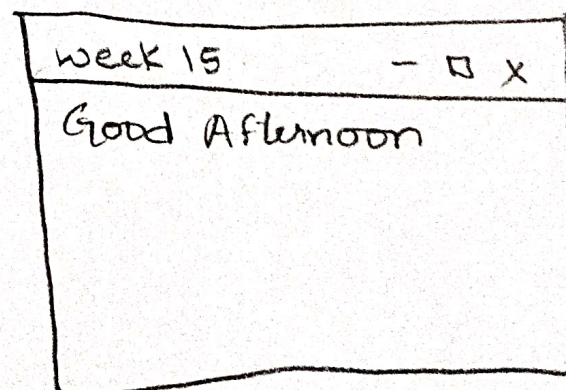


Assessment:

```

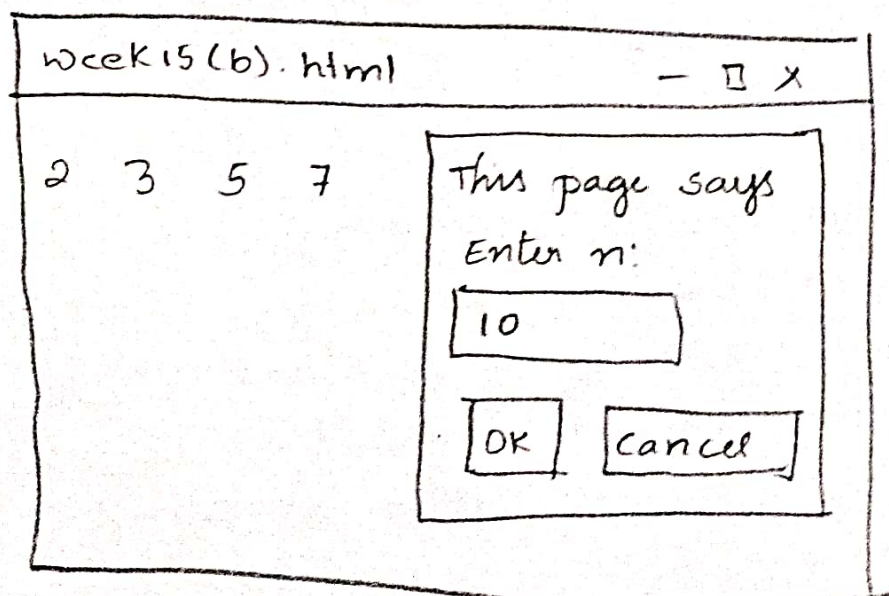
88) <html>
<head>
<title> week 15 </title>
<script type="text/javascript">
var d= new Date()
var time= d.getHours()
if (time<12){
document.write("Good Morning")
} else if (time == 12 || time < 4) {
document.write ("Good Afternoon")}
else if (time == 4 || time <= 6) {
document.write ("Good Evening?")}
} else {
document.write ("Good day!")
}
</script>
</head>
</html>

```



b)

```
<html>
<head>
<script type="text/javascript">
var n = parseInt(prompt("enter n:"))
for(i=2; i<=n; i++)
{
var count=0
for(j=1; j<=i; j++)
{
if(i%j==0)
{
count++
}
}
if(count==2)
{
document.write(i," ")
}
}
</script>
</head>
</html>
```



Assessment

a) `<html>`
`<head>`
`<title>` Wishing according to time `</title>`
`</head>`

```
<script>
    var today = new Date();
    var hour = today.getHours();
    var min = today.getMinutes();
    document.write("current time is : " + hour + " : " + min + " hrs");
    if (hour < 12)
    {
```



```
document.write("Good Morning");  
}  
else if (hour < 17)  
{  
    document.write("Good Afternoon");  
}  
else  
    document.write("Good Evening");  
}  
</script>  
</body>  
</html>
```

Output

Current time is : 17:5

Good Evening