

〈10주차 실습〉

인터넷 프로그래밍

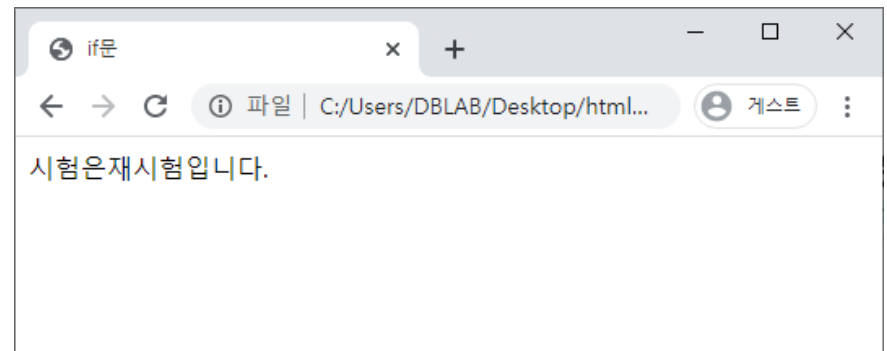
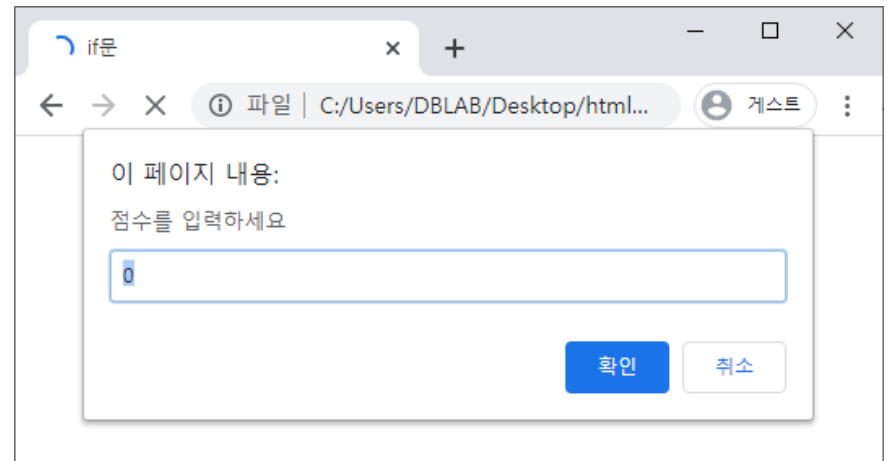
Internet Programming

조건문 – if문

1/10

```
<html>
<head><title> if문 </title></head>
<body>
  <script language="JavaScript">
    var result;
    var score = prompt("점수를 입력하세요", 0);
    score = parseInt(score);
    if(score >= 80) result = "합격";
    else if(score >= 60) result = "재시험";
    else result = "불합격";

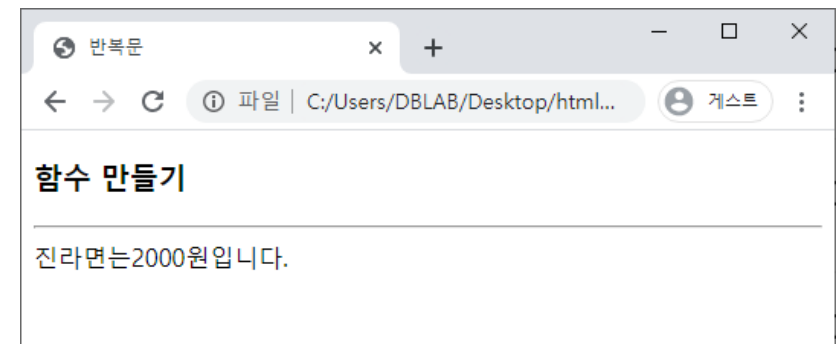
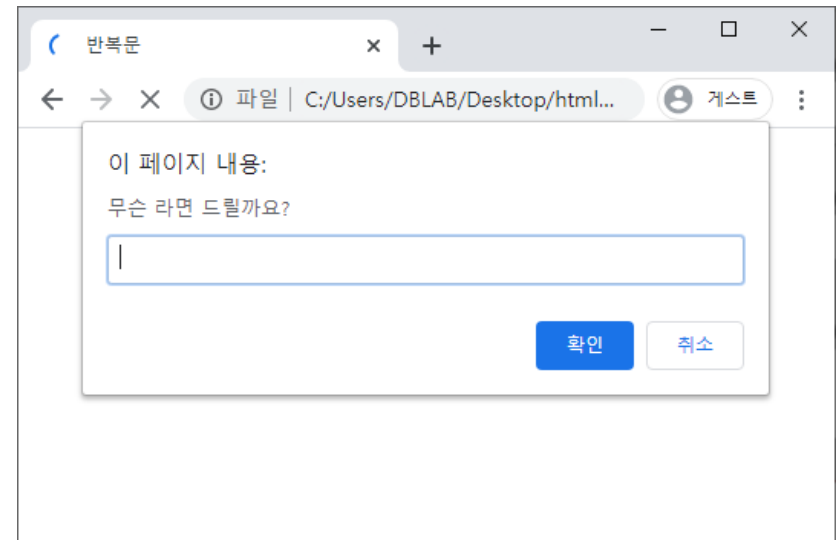
    document.write( "시험은"
                    + result
                    + "입니다.<br>");
  </script>
</body>
</html>
```



조건문 – switch문

2/10

```
<script>
  var price;
  var noodle = prompt("무슨 라면 드릴까요?");
  switch(noodle){
    case "진라면":
    case "신라면":
      price = 2000;
      break;
    case "진짬뽕" :
      price = 3000;
      break;
    case "너구리" :
      price = 3500;
      break;
    default :
      document.write(noodle + "는 없습니다.");
  }
  if(price != 0)
    document.write(noodle + "는 “
                    + price
                    + "원입니다.");
</script>
```



반복문 – while문

3/10

```
<script>
```

```
var n = prompt("0보다 큰 정수를 입력하세요",0);  
n = parseInt(n);
```

```
var i=0, sum=0;
```

```
while(i<=n){
```

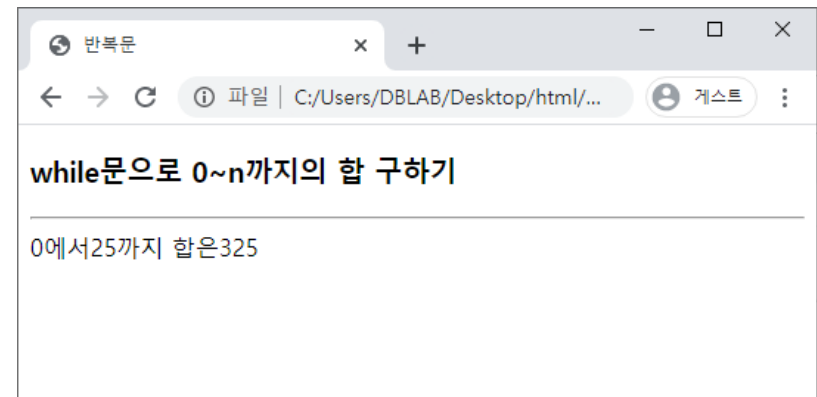
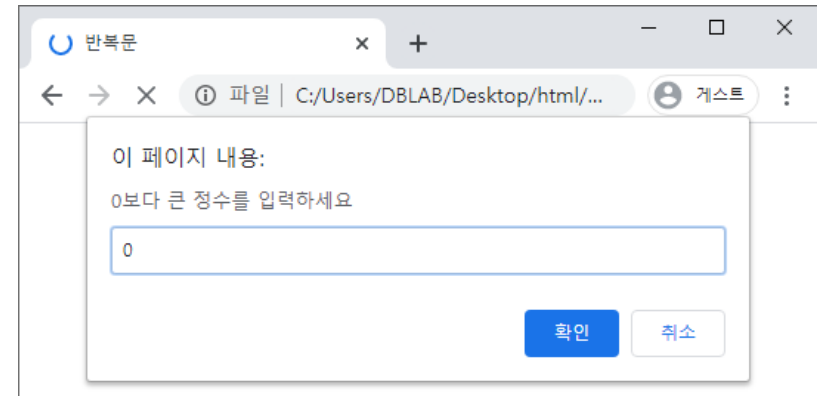
```
    sum += i;
```

```
    i++;
```

```
}
```

```
document.write("0에서" + n  
                + "까지 합은" + sum);
```

```
</script>
```



반복문 – for문

4/10

```
<script>
```

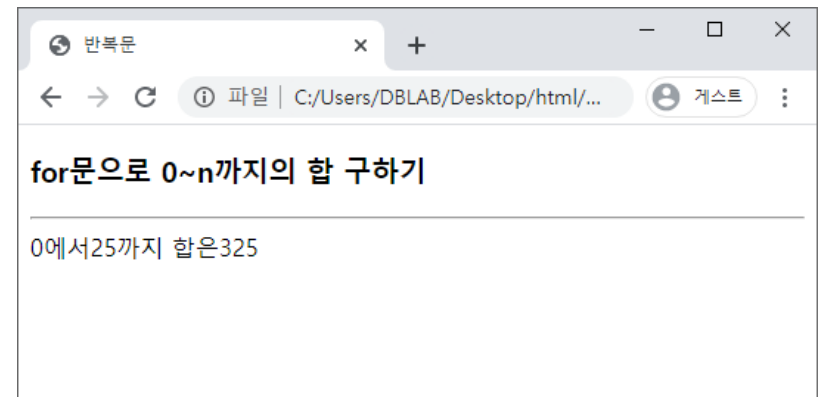
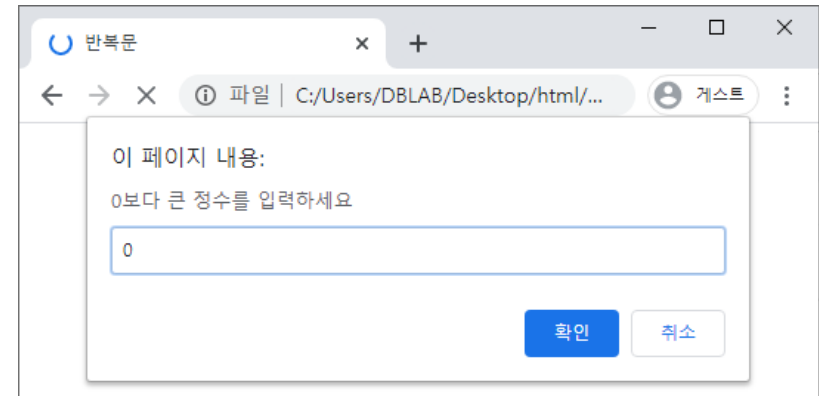
```
var n = prompt("0보다 큰 정수를 입력하세요",0);  
n = parseInt(n);
```

```
sum=0;
```

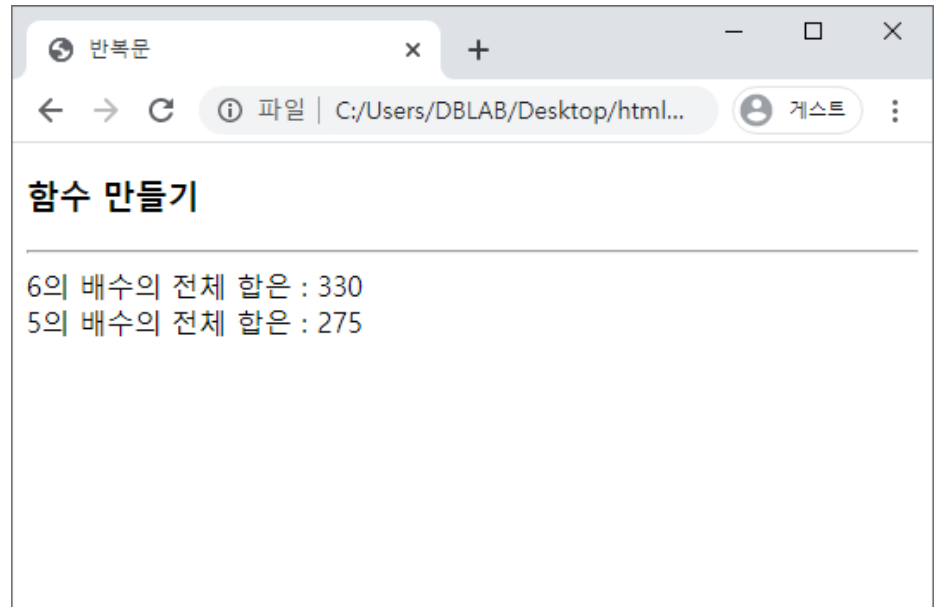
```
for(var i =0; i<= n; i++){  
    sum += i;  
}
```

```
document.write("0에서" + n  
                + "까지 합은" + sum);
```

```
</script>
```



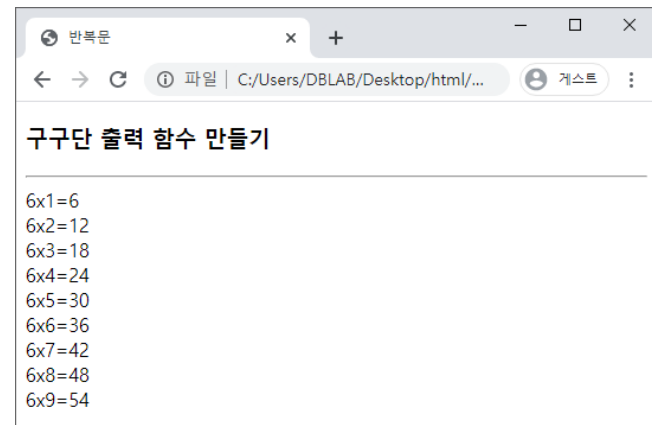
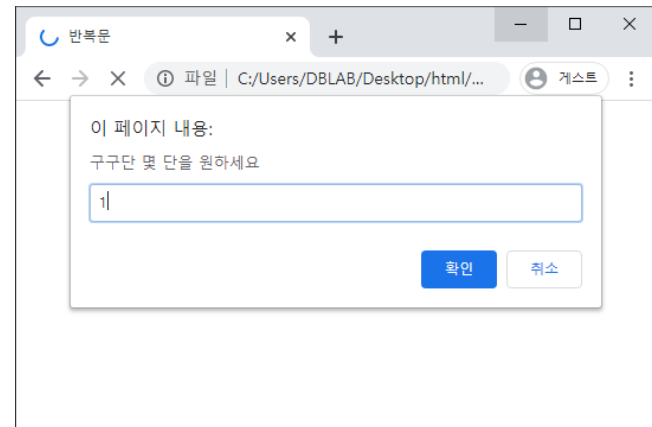
```
<!DOCTYPE html>
<html>
<head><title>반복문</title>
<script>
function adder(a){
    var sum= 0;
    document.write(a+"의 배수의 전체 합은 : ");
    for(var i= 0; i <= 10; i++){
        sum += i*a;
    }
    return sum;
}
</script>
</head>
<body>
<h3>함수 만들기</h3>
<hr>
<script>
    var n = adder(6);
    document.write(n + "<br>");
    n = adder(5);
    document.write(n + "<br>");
</script>
</body>
</html>
```



구구단 출력 함수 만들기

6/10

```
<!DOCTYPE html>
<html>
<head><title>반복문</title>
<script>
function gugudan(n){
    var m = parseInt(n);
    if(isNaN(m)|| m < 1 || m >11){
        alert("잘못입력하셨습니다.");
        return;
    }
    for(var i=1; i<=9; i++){
        document.write(m+"x"+i+"="+m*i+"<br>");
    }
}
</script></head>
<body>
<h3>구구단 출력 함수 만들기</h3>
<hr>
<script>
    var n = prompt("구구단 몇 단을 원하세요","1");
    gugudan(n);
</script>
</body>
</html>
```



- Q1> 중첩 for문을 사용하여 다음과 같이 구구단을 표시하시오.

```
구구단
[2단]

2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
2 * 6 = 12
2 * 7 = 14
2 * 8 = 16
2 * 9 = 18

구구단
[3단]
```

```
구구단
[5단]

5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
5 * 4 = 20
5 * 5 = 25
5 * 6 = 30
5 * 7 = 35
5 * 8 = 40
5 * 9 = 45

구구단
[6단]
```

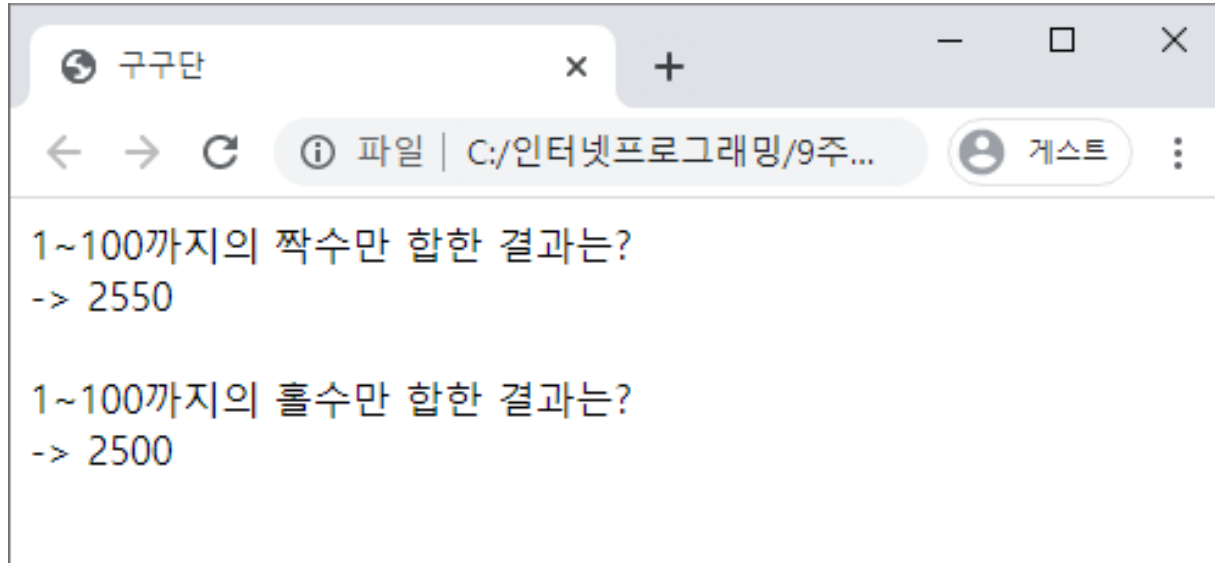
```
구구단
[9단]

8 * 7 = 56
8 * 8 = 64
8 * 9 = 72

구구단
[9단]

9 * 1 = 9
9 * 2 = 18
9 * 3 = 27
9 * 4 = 36
9 * 5 = 45
9 * 6 = 54
9 * 7 = 63
9 * 8 = 72
9 * 9 = 81
```


- Q2> for문과 if문을 사용하여 다음과 같이 1~100사이의 짝수의 합과 홀수의 합을 표시하시오.

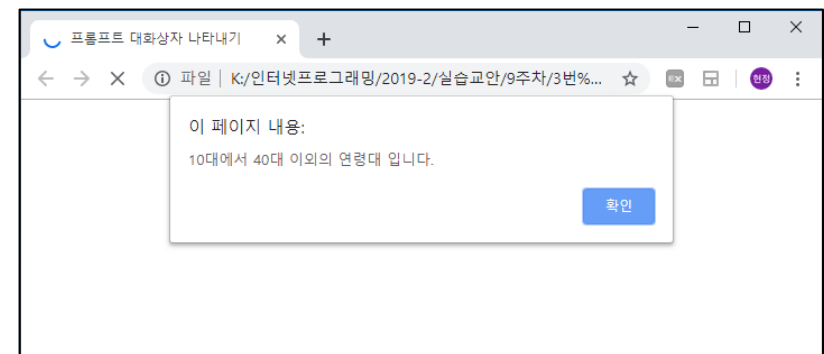
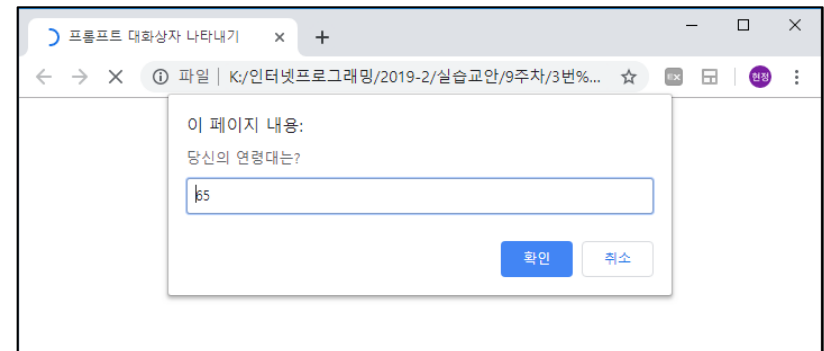
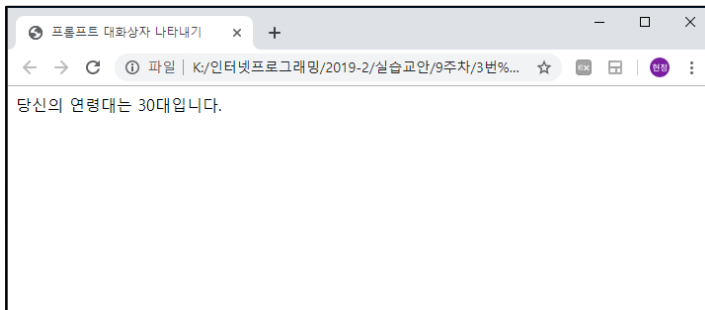
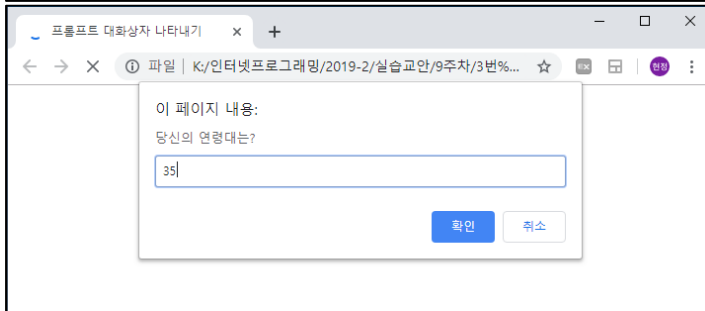
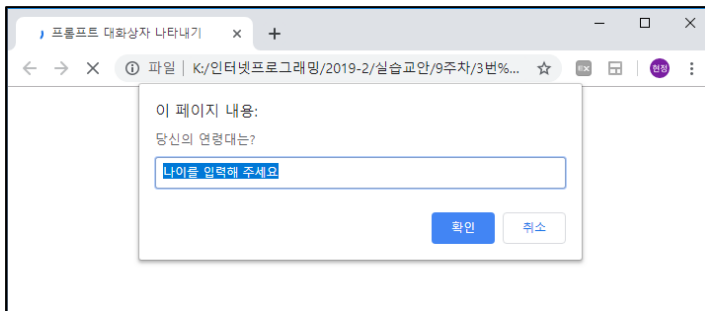


```
구구단 x + - □ ×  
← → ↻ ⓘ 파일 | C:/인터넷프로그래밍/9주... 게스트 ⋮  
1~100까지의 짝수만 합한 결과는?  
-> 2550  
  
1~100까지의 홀수만 합한 결과는?  
-> 2500
```

실습 과제 <실험·실습 제출자료> (3/3)

9/10

- Q3> prompt와 switch-case문을 사용하여 나이를 입력하면 연령대를 구하도록 하시오. 추가로 50이상의 숫자가 들어오면 아래와 같은 경고메시지를 표시하시오.



- 제출 방식 : E-Class를 통하여 제출
- 제출 내용 : HTML(확장자 .HTML파일), 결과가 포함된 캡처 이미지
- 제출 형식 : 학번_이름_주차.zip
 - Ex) 학번_홍길동_10주차.zip (ZIP File)
- 제출 기한 : 11월 07일 22시 00분
 - **지각 제출 불허**