

< 동아리 스터디 4주차 과제 > 2133057 김수빈

[if(else, else if) 예제]

```
package Today;
import java.util.Scanner;
public class TodayBest {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int a = sc.nextInt();
        if(a < 10) {
            System.out.print("a는 10 보다 작다");
        }else if(a == 10) {
            System.out.print("a는 10이다");
        }else {
            System.out.print("a는 10 보다 크다");
        }
    }
}
```

```
package Today;
import java.util.Scanner;
public class TodayBest {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int age = sc.nextInt();
        if(age < 20) {
            System.out.print("미성년자");
        }else if(age >= 20) {
            System.out.print("성인");
        }
    }
}
```

[switch case문 예제]

```
package Today;
import java.util.Scanner;
public class TodayBest {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("age ==> ");
        int age = sc.nextInt();

        switch(age) {
            case 14:
            case 15:
            case 16:
                System.out.println("중학생입니다");
                break;
        }
    }
}
```

```

        case 17:
        case 18:
        case 19:
            System.out.println("고등학생입니다");
            break;
        case 20:
            System.out.println("갓스물입니다");
            break;
        default:
            System.out.print("아무것도 아니다");
    }
}

```

```

package Today;
import java.util.Scanner;
public class TodayBest {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("number ==> ");
        int number = sc.nextInt();

        switch(number) {
            case 2:
            case 4:
            case 6:
            case 8:
            case 10:
                System.out.println("짝수입니다");
                break;
            case 3:
            case 5:
            case 7:
            case 9:
                System.out.println("홀수입니다");
                break;
            default:
                System.out.print("10보다 큰 숫자입니다");
        }
    }
}

```

[for문 실행 순서 정리]

```
1. 2. 4  
for(초기화식; 조건식; 증감식) {  
3. 실행문;  
}
```

[for문을 이용한 구구단 출력]

```
package Today;  
import java.util.Scanner;  
public class TodayBest {  
    public static void main(String[] args) {  
        for(int a=2; a <= 9; a++) {  
            for(int b = 1; b <= 9; b++) {  
                System.out.print(a + "*" + b + "=" + a*b + " ");  
            }  
            System.out.println();  
        }  
    }  
}
```

[while문 이용한 구구단 출력]

```
package Today;  
import java.util.Scanner;  
public class TodayBest {  
    public static void main(String[] args) {  
        int a = 2;  
        int b = 1;  
        while (a==2) {  
            while(b<=9)  
            {  
                System.out.println(a + " * " + b + " = " + (a*b));  
                b++;  
            }  
            a++;  
        }  
    }  
}
```

[for문과 while문 무한 반복 방법]

1. While문 무한 반복

```
while(true) {  
    System.out.println("스터디최고");  
}
```

```
}
```

2. for문 무한 반복

```
for(;;) {  
    }  
}
```