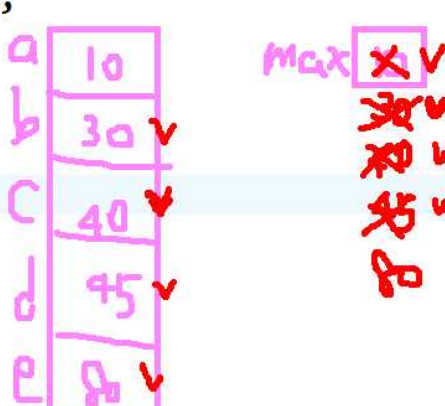


20-7-1

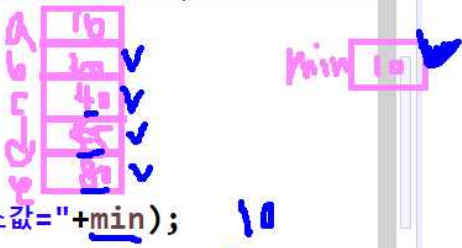
(1) a,b,c,d,e의 값중 최대값(max)을 구하는 프로그램

```
1 package a20_7_1;
2
3 public class aTest {
4     public static void main(String[] args) {
5         int a,b,c,d,e,max;
6         a=10;b=30;c=40;d=45;e=80;
7         max=a;
8         if(b>max) max=b;
9         if(c>max) max=c;
10        if(d>max) max=d;
11        if(e>max) max=e;
12    }
13
14 }
15
```



(2) a,b,c,d,e의 값중 최대값(max)과 최소값(min)을 구하는 프로그램

```
3 public class aTest {
4     public static void main(String[] args) {
5         int a,b,c,d,e,max,min;
6         a=10;b=30;c=40;d=45;e=80;
7         max=min=a;
8         if(b>max) max=b;
9         if(c>max) max=c;
10        if(d>max) max=d;
11        if(e>max) max=e;
12        System.out.println("최대값="+max);
13
14        if(b<min) min=b;
15        if(c<min) min=c;
16        if(d<min) min=d;
17        if(e<min) min=e;
18        System.out.println("최소값="+min);
19    }
20 }
```



(3) switch-case 복습

숫자를 입력하여 1이면 “1월” 2이면 “2월” 그외는 “에러” 출력하는 프로그램

```
aTest1.java aTest2.java
1 package a20_7_1;
2
3 import java.util.Scanner;
4
5 public class aTest2 {
6     public static void main(String[] args) {
7         int a;
8         Scanner scanner=new Scanner(System.in);
9         a=scanner.nextInt();
10        switch(a) {
11            case 1: System.out.println("1월");break;
12            case 2: System.out.println("2월");break;
13            default : System.out.println("에러");
14        }
15    }
16
17 }
```

(4) goto 문장

자바에는 goto 문법이 없으므로 특정위치로 강제로 이동할 수 없다

```
1 package a20_7_1;
2
3 public class atest3 {
4     public static void main(String[] args) {
5         int i;
6         i=0; //초기값
7         aa:
8         i=i+1; //1씩증가
9         System.out.println(i);
10        if(i<=10) goto aa; //goto 문법은 없음
11        else System.out.println("끝");
12    }
13 }
```

(5) for()함수

for(초기값;조건;증감치) { }

```

1 package a20_7_1;
2
3 public class atest3 {
4     public static void main(String[] args)
5         int a;
6         for(a=1;a<=10;a=a+1)
7         {
8
9             System.out.println(a);
10
11         }
12     }
13 }

```

```

1 package a20_7_1;
2
3 public class atest3 {
4     public static void main(String[] args) {
5         int k,cn=0,sum=0;
6         for(k=1;k<=100;k++)
7         {
8             System.out.println(k);
9             sum=sum+k; //합계 sum+=k; 축약형
10        }
11        System.out.println("합계="+sum);
12    }
13 }
14

```

85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
합계=5050

```
aTest1.java aTest2.java aTest3.java *ch05ex01.java
4 {
5 //a가 1부터 100까지 1씩 증가하되(for)
6 //짝수를 찾아서 출력하시오
7 //만약 a%3==0 이면 a가 3의배수이다
8 //3의배수의 합계(sum)와 갯수(cn)을 구하시오
9 public static void main(String[] args)
10 {
11     int a,sum=0,cn=0;
12     for(a=1;a<=100;a++)
13     {
14         if(a%3==0)
15         {
16             sum=sum+a;
17             cn=cn+1;
18         }
19     }
20     System.out.println(sum);
21     System.out.println(cn);
22     System.out.println((double) sum/cn);
23 }
24 }
25
```

```
aTest1.java aTest2.java aTest3.java ch05ex01.java *ch05ex02.java
1 package a20_7_1;
2
3 import java.util.Scanner;
4 //5번 점수(jumsu)를 입력받아서 평균을 구하라
5 public class ch05ex02 {
6     public static void main(String[] args) {
7         int i, jumsu, sum=0, cnt=0;
8         double avg;
9         Scanner sc=new Scanner(System.in);
10
11         for(i=1;i<=5;i++) {
12             jumsu=sc.nextInt();
13             sum=sum+jumsu;
14             cnt=cnt+1;
15         }
16         avg=sum/(double) cnt;
17         System.out.println(avg);
18     }
19 }
20 }
21
```

<terminated>
100
20
50
60
78
61.6

```
aTest2.java aTest3.java ch05ex01.java ch05ex02.java *ch05ex03.java
1 package a20_7_1;
2
3 public class ch05ex03 {
4     public static void main(String[] args) {
5         int i;
6         for(;;) //무한반복
7         {
8             System.out.println("혼자돈다");
9         }
10     }
11 }
12 }
```

<terminated>
혼자돈다
혼자돈다
혼자돈다
혼자돈다
혼자돈다
혼자돈다
혼자돈다
혼자돈다


```
aTest2.java  atest3.java  *ch05ex01.java  ch05ex02.java  *ch05ex03.java  »
1 package a20_7_1;
2
3 public class ch05ex03 {
4     public static void main(String[] args) {
5         int i=1;    //초기치
6         for(;;)    //무한반복
7         {
8             System.out.println("혼자돈다");
9             if(i>100) break;    //종료조건
10            i=i+1;    //1씩증가
11        }
12    }
13 }
```