

# Chapter 6 Methods

# Opening Problem

Find the sum of integers from 1 to 10, from 20 to 30, and from 35 to 45, respectively.

# Problem

```
int sum = 0;
for (int i = 1; i <= 10; i++)
    sum += i;
System.out.println("Sum from 1 to 10 is " + sum);
```

```
sum = 0;
for (int i = 20; i <= 30; i++)
    sum += i;
System.out.println("Sum from 20 to 30 is " + sum);
```

```
sum = 0;
for (int i = 35; i <= 45; i++)
    sum += i;
System.out.println("Sum from 35 to 45 is " + sum);
```

# Problem

```
int sum = 0;  
for (int i = 1; i <= 10; i++)  
    sum += i;
```

```
System.out.println("Sum from 1 to 10 is " + sum);
```

```
sum = 0;  
for (int i = 20; i <= 30; i++)  
    sum += i;
```

```
System.out.println("Sum from 20 to 30 is " + sum);
```

```
sum = 0;  
for (int i = 35; i <= 45; i++)  
    sum += i;
```

```
System.out.println("Sum from 35 to 45 is " + sum);
```























































































































































