

# Functions and Conditionals

Practice Quiz, 3 questions

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1.

**Before you start writing your own Java programs, it is important you fully understand what your Java code will do. Try solving the following problems in this quiz by hand.**

Consider the following Java methods.

```
1  int f(int x) {  
2      return x*2 - 1;  
3  }  
4  
5  int h() {  
6      int a = 3;  
7      int b = f(a) + f(4);  
8      return b;  
9  }
```

What is the return value of the call h()?

Enter answer here

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Consider the following method g.

## Functions and Conditionals

Practice Quiz, 3 questions

```
1  int g (int a) {  
2      if (a < 9) {  
3          return 9;  
4      }  
5  
6      if (a < 7) {  
7          return 7;  
8      }  
9  
10     if (a < 4) {  
11         return 4;  
12     }  
13  
14     return 0;  
15 }
```

2. What is the value returned from the call g(5)?

Enter answer here

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3.

Consider the following method k.

```
1  int k (int a, int b) {  
2      if (a < b) {  
3          if (b > 4) {  
4              return 0 ;  
5          }  
6          else {  
7              return 1;  
8          }  
9      }  
10     else {  
11         if (a > 4) {  
12             return 2;  
13         }  
14         else {  
15             return 3;  
16         }  
17     }  
18 }  
19  
20
```

For which of the values a and b would 2 be the return value?

- ☐ a=2, b=0
- ☐ a=6, b=8
- ☐ a=6, b=6
- ☐ a=1, b=3