

Exercises 5.4

Learn C With Babbo

1. Suppose our program has defined the `print_and_return` function, reproduced below:

```
int print_and_return(int num) {  
    printf("%d\n", num);  
    return num;  
}
```

Give the output, if any, of the following code snippets:

(a)

```
if (3 >= -2 && print_and_return(0)) {  
    print_and_return(-3);  
}
```

(b)

```
if (8 < 7 && print_and_return(1)) {  
    printf("Hi\n");  
}
```

(c)

```
if (print_and_return(0) || 7 * 7 < 50) {  
    printf("Bye\n");  
}
```

(d)

```
if (32 > 9 || print_and_return(1)) {  
    print_and_return(2);  
}
```

(e)

```
if ((3 == -3 && print_and_return(1)) && (  
    print_and_return(0) && print_and_return(2))) {  
    printf("Eyy\n");  
}
```

(f)

```
if ((7 < 3 || print_and_return(0)) && (3 > -4 ||  
    print_and_return(2))) {  
    printf("Ayy\n");  
}
```