

Worksheet 1: Solutions

Control Review:

1. True
2. False
3. False (short circuiting)
4. False (short circuiting)
5. Error
6. False (short circuiting)
7. Error

1. True (short circuiting)
2. True (short circuiting)
3. True
4. False
5. Error
6. Error
7. True (short circuiting)

1. True
2. True

More Questions:

1. True
2. 'soda'
3. 'midichlorians' {ew}
4. Error {1/0 gives a Zero Division Error}
5. 2
6. 'that'
7. True
8. False

Code Writing Questions

```
def false_positive(number):  
    if number >= 0:  
        return True  
    elif number < 0:  
        return False
```

```
def time_to_diet(time, hungry):  
    if time == 'morning' and hungry:  
        print('eat breakfast')  
    elif time == 'afternoon' and hungry:  
        print('eat lunch')  
    elif time == 'evening' and hungry:  
        print('eat dinner')  
    else:  
        print('not hungry')
```

None

```
def expensive_perfume(date_number, first_date_rating, is_ben_affleck):  
    if date_number == 1 and is_ben_affleck:  
        return True  
    elif date_number == 1:  
        return False  
    elif date_number == 2 and first_date_rating >= 7:  
        return True  
    elif date_number == 2 and first_date_rating < 7:  
        return False
```

```
def factorial(n):  
    result, count = n, 1  
    while n > count:  
        result, count = result*count, count+1  
    return result
```

<https://goo.gl/gckDCK>

<https://goo.gl/DP6uGb>