```
import pickle
```

Part 1: Normal Distribution [Suggested time: 20 minutes]

In this part, you will analyze check totals at a TexMex restaurant. We know that the population distribution of check totals for the TexMex restaurant is normally distributed with a mean of $20 and a standard deviation of \$3.

1.1) Create a numeric variable `z_score_26` containing the z-score for a $26 check.

Starter Code

```
z_score_26 =
```

In [2]:

Student's answer (Top)

```
z_score_26 = (26-20)/3
z_score_26
```

Out[2]:
```
2.0
```

In [3]:

Grade cell: `cell-a72f04fffcbada78` Score: 1.0 / 1.0 (Top)

```
# This test confirms that you have created a numeric variable named z_score_26

assert isinstance(z_score_26, Number)

### BEGIN HIDDEN TESTS

assert z_score_26 == 2.0

### END HIDDEN TESTS
```

1.2) Create a numeric variable `p_under_26` containing the approximate proportion of all checks that are less than $26