

1. Using the documentation for Recursive Feature Selection, apply this process to the crime dataset to create the best multivariate linear regression model
https://scikit-learn.org/stable/modules/generated/sklearn.feature_selection.RFE.html .
You can select what you're trying to predict, but be sure to indicate what that is. Be sure to explain what RFE is in the markdown. You should be able to answer this using what's on the documentation page + what you already know.
2. Create a function called `rec_digit_sum` that takes in an integer. This function is the recursive sum of all the digits in a number.

Given n , take the sum of all the digits in n . If the resulting value has more than one digit, continue calling the function in this way until a single-digit number is produced. The input will be a non-negative integer, and this should work for extremely large values as well as for single-digit inputs.

Examples:

```
16 --> 1 + 6 = 7
942 --> 9 + 4 + 2 = 15 --> 1 + 5 = 6
132189 --> 1 + 3 + 2 + 1 + 8 + 9 = 24 --> 2 + 4 = 6
493193 --> 4 + 9 + 3 + 1 + 9 + 3 = 29 --> 2 + 9 = 11
```