Credit

Implement a program that determines whether a provided credit card number is valid according to Luhn's algorithm.

```
$ python credit.py
Number: 378282246310005
AMEX
```

Specification

In `credit.py` in `~/pset6/credit/`, write a program that prompts the user for a credit card number and then reports (via `print`) whether it is a valid American Express, MasterCard, or Visa card number, exactly as you did in Problem Set 1, except that your program this time should be written (a) in Python and (b) in CS50 IDE.

So that we can automate some tests of your code, we ask that your program's last line of output be `AMEX\n` or `MASTERCARD\n` or `VISA\n` or `INVALID\n`, nothing more, nothing less.

For simplicity, you may assume that the user's input will be entirely numeric (i.e., devoid of hyphens, as might be printed on an actual card).

Best to use `get_int` or `get_string` from CS50's library to get users' input, depending on how you to decide to implement this one.

Usage

Your program should behave per the example below.

```
$ python credit.py
Number: 378282246310005
AMEX
```

Testing

No `check50` for this problem, but be sure to test your code for each of the following.

Run your program as `python credit.py`, and wait for a prompt for input. Type in `378282246310005` and press enter. Your program should output `AMEX`.

Run your program as `python credit.py`, and wait for a prompt for input. Type in `371449635398431` and press enter. Your program should output `AMEX`.

Run your program as `python credit.py`, and wait for a prompt for input. Type in `5555555555554444` and press enter. Your program should output `MASTERCARD`.

Run your program as `python credit.py` , and wait for a prompt for input. Type in `5105105105105100` and press enter. Your program should output `MASTERCARD` .

Run your program as `python credit.py` , and wait for a prompt for input. Type in `4111111111111111` and press enter. Your program should output `VISA` .

Run your program as `python credit.py` , and wait for a prompt for input. Type in `4012888888881881` and press enter. Your program should output `VISA` .

Run your program as `python credit.py` , and wait for a prompt for input. Type in `1234567890` and press enter. Your program should output `INVALID` .