**Exercise 01**

**Assignment Specification**

**Description**: Write a program named exchange.py that will convert an amount of US dollars into a currency of the user’s choice. You must find the exchange rate for your chosen currency and input it to your program.

**Input**: The user should be prompted for three inputs, using three separate raw\_input statements (as in EX00):

How many US Dollars do you want to exchange? [ user input, example: ***100*** ]

Enter the name of the currency you are converting dollars to: [ example: ***rupees*** ]

What is the exchange rate? [ example: ***68*** ]

**Output**: The input dollar amount, currency type, and amount of the currency that is equivalent to the input number of dollars, with appropriate description. Example:

You can exchange ***100*** U.S. dollars for ***6811******rupees***

**Procedure**:

1. Within a loop (as in EX00), prompt the user for the number of US Dollars xxxxx. Check if the input is numeric using the Python built-in function *string*.isdigit() (<https://docs.python.org/3/library/stdtypes.html>). If not, start the whole loop all over (using the statement ‘continue’). Be aware that isdigit() considers numbers only pure numerical values (no ‘-‘ or ‘.’). Your program will therefore take only integers as input numerical values
2. Prompt the user for the name of currency he/she is converting the US Dollars into
3. Prompt the user for the exchange rate rrrrr: that is, one US dollar = rrrrr units of the chosen currency. Check if the input is numeric using the Python built-in function *string*.isdigit(). If not, start the whole loop all over
4. Calculate the number of the chosen currency represented by the input number of U.S. dollars
5. Print the results, leaving a blank line before, for readability. A blank line before your actual printing can be printed with a separate print statement:

print ()

print (‘xyzxyzxyz’)

Or by using the \n newline notation:

print (‘\n xyzxyzxyz’)

Submit your program .py file via Canvas