

## Review: PYTHON COURSE Nov-Dec

**INSTRUCTION:** Write program for a or b for each Numbered Question

**1a. Create a Knock-Knock Joke, where the computer and user are interacting**

**CONCEPTS:** print() and input() functions

**Example:**

Computer: Knock Knock

User: Who's there?

Computer: Boo

User: Boo who?

Computer: Don't cry. It is only a Joke

**1b. Create a simple Menu System for Habit Burger**

**CONCEPTS:** print() and input() functions, and Conditional Statements

**Example:**

Computer: What type of burger would you like to order?

User: Hamburger (or Cheeseburger)

Computer: Hamburger is a good choice. It costs \$3.00

Computer: What type of shake would you like to order?

User: Chocolate (or Strawberry)

Computer: Strawberry is a good choice. It costs \$2.00

Computer: Your total bill is \$5.00

**2a. Print multiples of 5 between 200 and 300, not including 200, but including 300**

**CONCEPTS:** Loops

**2b. Print perfect squares between 100 and 400, excluding**

**CONCEPTS:** Loops

**3a. Tell which of the 2 words that the user types is longer.**

**Extension: which word appears first in the dictionary.**

**CONCEPTS:** Strings

**3b. Print the number of vowels in a word that the user types**

**CONCEPTS:** Strings

**4a. Create a function to perform currency conversion, from Chinese Yuan to US Dollars**

**CONCEPTS:** Functions

**4b. Create a program to ask the user what currency conversion to perform**

**Examples:**

- From Chinese Yuan to US Dollars
- From US Dollars to Chinese Yuan
- From Indian Rupee to US Dollars
- From US Dollars to Indian Rupee

**CONCEPTS:** Functions