Core Concepts Quiz

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Describe what each line of the following program does. Be ***very*** specific.

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| 1. **import** re |
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| 1. sms = input('Enter the last text message you sent:\n> ') |
|  |
| 1. selfRE = r'\b(i|me|my|mine)\b' 2. self\_all = re.findall(selfRE, sms, re.IGNORECASE) 3. othersRE = r'\b(you(?:rs?)?|ye)\b' 4. others\_all = re.findall(othersRE, sms, re.IGNORECASE) |
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| 1. judgment\_dict = {} 2. judgment\_dict['self'] = len(self\_all) 3. judgment\_dict['others'] = len(others\_all) |
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| 1. **if** judgment\_dict['self'] > judgment\_dict['others']: 2. **print**('You are always selfish. Get over yourself!') |
|  |
| 1. **elif** judgment\_dict['others'] > judgment\_dict['self']: 2. **print**('You are always selfless. Well done.') |
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| 1. **else**: 2. **print**('Unable to make diagnosis. Try again later.') |
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| Write one regular expression that will find words with the prefix ‘un’ or ‘in’ AND the suffix ‘able/ible’ (you may use pythex.org if you want). In the following text your regular expression should only match *inimitable*, *untouchable* and *incomprehensible*:  “The inimitable Rogartis was unable to untie the untouchable unicorn from the post with incomprehensible magical powers.” |
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| Write an import statement to import the variance function from the statistics module, giving the function the alias var. |
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| The following code will run properly, but what is wrong with the formatting?  print('Number of children:',4,sep= '\t') |
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