

Python – Basics 2 Assignments

1. Create a Python program on repl.it with the title “InputLength” In this program, the user should be prompted for his/her favorite quote. The program should then find the number of characters in that quote and print the phrase ‘That quote has _____ characters.’ on the console. The program should use either concatenation or %s formatting for the number.

Here is an example of the console when the program is finished (the quote may be different):

```
Favorite quote? To be, or not to be?
That quote has 20 characters.
=> None
```

<Place a screen shot of your code and the output here>

2. Create a Python program on repl.it with the title “FavoriteNumbs” In this program, the user should be prompted 5 times for his/her favorite numbers. They can be either integers or floats. The program will then reprint the list of numbers in a single line with tabs between them. The program should use either concatenation or %s formatting for the numbers.

Here is an example of the console when the program is finished (the numbers may be different):

```
Favorite number? 10
Another favorite number? 2.5
Another favorite number? -6
Another favorite number? 3.14
Another favorite number? -1.05
These are your favorite numbers:
10      2.5      -6      3.14      -1.05
=> None
```

<Place a screen shot of your code and the output here>

3. Create a Python program on repl.it with the title “StoryTime”. The program should use a single print statement to type a three sentence story. Each sentence should appear in the console on its own line. At least one of the sentences must contain an ‘ and at least one of the sentences must have a *tab* in it somewhere (be creative).

<Place a screen shot of your code and the output here>

4. Create a Python program on repl.it with the title “LetterFind”. The program should prompt the user for a lengthy (10 or more characters) word. The program should then find the number of characters in the word and the letters at 3 different indexes. The program should print the length of the word and the 3 letters that were selected, saying their position in the word correctly.

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(note: the 1st letter is at index 0, not index 1; index 1 is the 2nd letter)

Here is an example of the console when the program is finished (the indexes may be different):

```
Pick a long word: acknowledgement
The length is 15
The third letter is: k
The sixth letter is: w
The seventh letter is: l
=> None
```

<Place a screen shot of your code and the output here>

5. Create a Python program on repl.it with the title “MadLib.” This program will require you to convert a MadLib to a computer program. (if you don’t know how a MadLib works, you pick random words and they are put into a story. try one here: <http://www.madglibs.com/libs/188.html>). You can either write your own or copy one from online. You should use %s formatting to insert the words the user selects into the story.

Here is an example of the console when the program is finished (this should be 100% different, but this is a good starting idea):

```
Name a Place: Montana
Adjective? perky
Another Adjective? purple
Name a Female Celebrity: Madonna
Name a Male Celebrity: Sean Connery
Noun? TV
Another Noun? pickle
Just one more Noun? The Starship Enterprise
Plural Noun? candles
Another Plural Noun? Monkeys
Yet another Plural Noun? birthday balloons
Just one more Plural Noun? houses
Name a Plural Profession (e.g. doctors): personal trainers
Albert Einstein, the son of Sean Connery and Madonna, was born in Ulm, Germany,
in 1879. In 1902, he had a job as assistant TV in the Swiss patent office and
attended the University of Zurich. There he began studying atoms, molecules, and
candles. He developed the theory of perky relativity, which expanded the
phenomena of subatomic Monkeys and purple magnetism. In 1921, he won the Nobel
prize for birthday balloons and was director of theoretical physics at the
Kaiser Wilhelm pickle in Berlin. In 1933, when Hitler became Chancellor of
Montana, Einstein came to America to take a post at Princeton Institute for
houses, where his theories helped America devise the first atomic The Starship
Enterprise. There is no question about it! Einstein was one of the most
brilliant personal trainers of our time.
=> None
```

<Place a screen shot of your code and the output here>