

Functions - Solution 1

Note: Code copied from PDF files may have some spaces and blank lines removed. The original formatting is preserved in the code files in the zip archive linked at the beginning of the course.

```
#!/usr/bin/env python3

def get_word(word_type):
    """Get a word from a user and return that word."""

    # The lower() function converts the string to lowercase before testing it
    if word_type.lower() == 'adjective':
        # Use 'an' in front of 'adjective'
        a_or_an = 'an'
    else:
        # Otherwise, use 'a' in front of 'noun' or 'verb'
        a_or_an = 'a'
    return input('Enter a word that is {0} {1}: '.format(a_or_an, word_type))

def fill_in_the_blanks(noun, verb, adjective):
    """Fills in the blanks and returns a completed story."""

    # The \ lets the string continue on the next line to make the code easier to read
    story = "In this course you will learn how to {1}. " \
        "It's so easy even a {0} can do it. " \
        "Trust me, it will be very {2}.".format(noun, verb, adjective)
    return story

def display_story(story):
    """Displays a story."""
    print()
    print('Here is the story you created. Enjoy!')
    print()
    print(story)

def create_story():
    """Creates a story by capturing the input and displaying a finished story."""
    noun = get_word('noun')
    verb = get_word('verb')
    adjective = get_word('adjective')

    the_story = fill_in_the_blanks(noun, verb, adjective)
    display_story(the_story)

create_story()
```