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Problems for Functions in Python:

1) Write a function called favorite_book() that accepts one parameter, title. The function should print a message, such as One of my favorite books is Alice in Wonderland. Call the function, making sure to include a book title as an argument in the function call.

2) Write a function called make_shirt() that accepts a size and the text of a message that should be printed on the shirt. The function should print a sentence summarizing the size of the shirt and the message printed on it.Call the function once using positional arguments to make a shirt. Call the function a second time using keyword arguments.

3) Write a function called describe_city() that accepts the name of a city and its country. The function should print a simple sentence, such as Ahmedabad is in India. Give the parameter for the country a default value.Call your function for three different cities, at least one of which is not in the default country.

4) Write a function called make_album() that builds a dictionary describing a music album. The function should take in an artist name and an album title, and it should return a dictionary containing these two pieces of information. Use the function to make three dictionaries representing different albums. Print each return value to show that the dictionaries are storing the album information correctly.

5) Make a list of magician's names. Pass the list to a function called show_magicians(), which prints the name of each magician in the list.

5.1) Start with a copy of your program from Exercise 5. Write a function called make_great() that modifies the list of magicians by adding the phrase the Great to each magician's name. Call show_magicians() to see that the list has actually been modified.

5.2) Start with your work from Exercise 5.1 . Call the function make_great() with a copy of the list of magicians' names. Because the original list will be unchanged, return the new list and store it in a separate list. Call show_magicians() with each list to show that you have one list of the original names and one list with the Great added to each magician's name.

6) Write a function that accepts a list of items a person wants on a sandwich. The function should have one parameter that collects as many items as the function call provides, and it should print a summary of the sandwich that is being ordered. Call the function three times, using a different number of arguments each time.

7) Write a function that stores information about a car in a dictionary. The function should always receive a manufacturer and a model name. It should then accept an arbitrary number of keyword arguments. Call the function with the required information and two other name-value pairs,

such as a color or an optional feature. Your function should work for a call like this one:

```
car = make_car('subaru','outback',color='blue',tow_package=True)
```

Print the dictionary that's returned to make sure all the information was stored correctly.

8) Using a program you wrote that has one function in it, store that function in a separate file. Import the function into your main program file, and call the function using each of these approaches:

```
import module_name
from module_name import function_name
from module_name import function_name as fn
import module_name as mn
from module_name import *
```