EXERCISE QUESTIONS TO PRACTICE EXCEPTION HANDLING IN PYTHON

1. Write a program that prompts the user to enter two numbers and then divides the first number by the second. Use a try-except block to handle a ZeroDivisionError exception if the user enters zero for the second number. Print an appropriate message in the except block.

2. Write a program that prompts the user to enter an integer. Use a try-except block to handle a ValueError exception if the user enters a non-numeric value. Print an appropriate message in the except block and ask the user to enter a valid integer again.

3. Write a program that accesses an element of a list using an index. Use a try-except block to handle an IndexError exception if the index is out of range. Print an appropriate message in the except block.

4. Write a program that converts a string to an integer. Use a try-except block to handle a ValueError exception if the string cannot be converted to an integer. Print an appropriate message in the except block.

5. Write a program that uses a loop to iterate through a dictionary. Use a try-except block to handle a KeyError exception if the program tries to access a key that does not exist in the dictionary. Print an appropriate message in the except block.

6. Write a program that uses a function with multiple arguments. Use a try-except block within the function to handle potential exceptions raised by operations on the arguments. For example, you could handle a TypeError if an unexpected data type is passed to the function. Print an informative message about the error within the function's except block.