# Homework #2 - SOLUTIONS

1. Write a program that takes two whole numbers as inputs, and outputs the quotient and remainder of these two numbers.

```python
# SOLUTIONS: Homework 2 - Problem 1
print("This program calculates the quotient and remainder of two numbers.")
divisor = int(input("Please enter the divisor (the whole number by which you will be dividing.) "))
dividend = int(input("Please enter the dividend. "))
quotient = dividend // divisor
remainder = dividend % divisor
print("The quotient is", quotient)
print("The remainder is", remainder)
```

2. Write a Mad Lib program. In other words, your program should ask the user for an adjective, a verb, and a noun (or multiple adjectives, verbs, etc.) and substitute these into a few sentences to create a funny story.

```python
# SOLUTIONS: Homework 2 - Problem 2
noun = input("Please enter a noun: ")
verb = input("And a verb (ing): ")
adjective = input("And an adjective: ")
print("It was a dark and", adjective, "night. We were", verb, "in the", noun, "when suddenly...DUN DUN DUN!")
```