1. Which of the following are correctly formatted variable names?

    (a)   `input_in_kilometers`

    (b)   `calculated_%`

    (c)   `85_cats`

    (d)   `payment_9_to_5`

2. What are the values of x, y, and z after running through the following code? (Hint: it might be helpful to note what the variables are after each line of code)

    ```
    x = 4
    y = x + 3 ** 2
    z = y - x
    x = x / 2 + 15
    y = (y - 10) ** 3
    z = y * 2
    ```

3. Write a function called *add* that takes two numbers and returns their sum. Then, use this function to print the sum of 17 and 19:

4. Would the following code snippet run? If so, what would it print? If not, why?

    ```
    cur_temp = 63
    km_per_mile = 1.61
    distance_in_kilometers = km_per_mile *  distance_in_miles
    if (cur_temp > 50):
        print("You can run", distance_in_kilometers, "kilometers")
    else:
        print("It's too cold to run today!")
    ```

5. Write a code snippet that asks a user for their name and age, then prints "Hi (name), you were born in (birth year)!"

6. Consider the following function, foo:

```
def foo(number):
    remainder = number % 2
    if remainder == 0:
        return True
    elif remainder == 1:
        return False
```

   (a) What does foo do?

   (b) What do we call *number* in the function definition?

   (c) What does $foo(8)$ return?

   (d) What do we call 8 in the function call?

   (e) There are many (correct) different ways to write the same function. Write a function that does the same thing as foo, but change at least one line of the body of the function (Hint: can you restructure the conditional statements?):

Thanks to Maryam Hedayati for the inspiration for some of the questions!

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