1. What are the differences between operators and values in the following?

```
# *
print(f'Multiplication of numbers like {5} * {3} gives: {5*3}')
     Multiplication of numbers like 5 * 3 gives: 15
# "hello"
print(f'{"hello"} is of {type("hello")}')
     hello is if <class 'str'>
# -87.8
print(f'{-87.8} is of {type(-87.8)} ')
     -87.8 is of <class 'float'>
# - = Operator for subtraction
# / = gives division of number and gives float of a number
# + = gives addition of number or string1. What are the differences between operators and val
print(f'Addition of numbers like {5} + {3} gives: {5+3}')
print(f'Addition of strings like {"apple"} + {"orange"} gives: {"apple"+"orange"}')
     Addition of numbers like 5 + 3 gives: 8
     Addition of strings like apple + orange gives: appleorange
# 6
print(f'\{6\} is of \{type(6)\} ')
     6 is of <class 'int'>
```

2. What is the difference between string and variable?

```
# spam = variable
# "spam" = variable
```

3. Describe three different data forms.

```
# Float, integer and strings
```

4. What makes up an expression? What are the functions of all expressions?

```
# An expression is a combination of values, variables, operators, and calls to functions. # Function Declarations are processed before the code block is executed
```

5.5. In this chapter, assignment statements such as spam = 10 were added. What's the difference between a declaration and an expression?

```
# Expression is a combination of variables, operations and values that yields a result value.
# spam is a declaration
# 10*20 = expression
spam = 10*20
print(spam)
```

6. After running the following code, what does the variable bacon contain?bacon = 22 bacon + 1

23

23

7. What should the values of the following two terms be?

```
"spamspamspam"
```

```
'spamspamspam'
```

8. Why is it that eggs is a true variable name but 100 is not?

```
# Python doesnt allow numbers to be set as variables.
```

10. What is the error caused by this expression? What would you do about it?

```
# 'I have eaten ' + 99 + ' burritos.' = TypeError: can only concatenate str (not "int") to st
# fixing this
'I have eaten ' + "99" + ' burritos.'
```

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