

EXERCISES

2.3 State the order of evaluation of the operators in each of the following Python statements and show the value of `x` after each statement is performed.

a) `x = 7 + 3 * 6 / 2 - 1`

b) `x = 2 % 2 + 2 * 2 - 2 / 2`

c) `x = (3 * 9 * (3 + (9 * 3 / (3))))`

2.4 Write a program that requests the user to enter two numbers and prints the sum, product, difference and quotient of the two numbers.

2.5 Write a program that reads in the radius of a circle and prints the circle's diameter, circumference and area. Use the constant value 3.14159 for PI. Do these calculations in output statements.

2.6 Write a program that prints a box, an oval, an arrow and a diamond, as shown:

```
*****      ***      *      *
*      *  *  *      *      ***      *  *
*      *  *  *      *      *****  *  *
*      *  *  *      *      *      *  *
*      *  *  *      *      *      *  *
*      *  *  *      *      *      *  *
*      *  *  *      *      *      *  *
*****      ***      *      *
```

2.7 Write a program that reads in two integers and determines and prints whether the first is a multiple of the second. (Hint: Use the modulus operator.)