Programming
1e
Worksheet

Please note: The tests are designed to get you to build the functions with the data type that can cover all test scenarios.

1	Write a program which asks for two inputs and **adds** the values and outputs the result.
	
	`Test this for`
	`(a) whole number inputs only,`
	`(b) large numbers and, separately`
	`(c) values which are not whole numbers.`

2	Write a program which asks for two inputs and **multiplies** the values and outputs the result.
	
	`Test this for`
	`(a) large input values and`
	`(b) values which are not whole numbers.`

3	Write a program which asks for two inputs and **subtracts** the first value by the second and outputs the result.
	
	`Test this for`
	`(a) large input values and`
	`(b) values which are not whole numbers and`
	`(c) when one of the inputs is zero.`

4	Write a program which asks for two inputs and **divides** the first value by the second and outputs the result.
	
	`Test this for`
	`(a) large input values and`
	`(b) values which are not whole numbers and`
	`(c) when one of the inputs are zero.`

5	Write a program which asks the user for the year of their birth. It calculates and outputs their age.
6	Write a program that asks for a fahrenheit value. It calculates and outputs the

equivalent celsius value using the following formula:

```
celsius   = (fahrenheit - 32) * 5/9;
```

7	Write a program that asks for a celsius value. It calculates and outputs the equivalent fahrenheit value using the following formula:
	`fahrenheit = celsius * 9/5 + 32;`