

Data Types, Variables and Operators

Practice Questions

1. What is a data type?
2. What are the core data types in Python?
3. What function identifies the type of data of a variable?
4. What does casting mean?
5. Write the Python code that would output the following:

There are many variations of the spelling of "W. Shakespeare".

6.
 - a Write the Python code that would calculate and output the result of 15 divided by 2, retaining the fractional part of the result.
 - b Now write the Python code that would calculate and output the result of 15 divided by 2, with no fractional part of the result.
 - c Write the Python code that would calculate and output the remainder after 15 is divided by 2.
 - d Write the Python code that would create a variable called `subject_mark` and assign the value 70 to it. Increase the `subject_mark` by 10 using the appropriate augmented assignment operator and output the new result.
7. Write a Python program that creates 3 variables to store the marks of 3 subjects, call these `subject_1`, `subject_2` and `subject_3`, and assign values to each.
Calculate and output the average of the three marks with an appropriate message and ensure the average is rounded to 2 decimal places.

Check that the average outputted by your program is correct, use a calculator to check this.