Activities solutions for y10-04-CT19

Activity 1

Open ‘Activity1\_Student.py’ in your development environment.

A screenshot of a cell phone

Description automatically generated

Explain what happens when you run the code.

The program will output:

Cheese = 4

Ham = 4

Tuna = 3

It counts the type of each sandwich in the sandwich list.

**Activity 2**

Complete the table to predict the output based on the use of the <string>.format() function. Use these variables for each of the statements.

A screenshot of a cell phone

Description automatically generated

|  |  |
| --- | --- |
| **Statement** | **Output** |
| A picture containing orange  Description automatically generated | The score is 10876 |
| A screenshot of a cell phone  Description automatically generated | My name is Frankie and my score is 10876 |
| A screenshot of a cell phone  Description automatically generated | All data: 10876, Frankie, 23.567 |
| A screenshot of a cell phone  Description automatically generated | Another: 10876.000 24 decimals |
| A picture containing person, people  Description automatically generated | My name is Frankie.  Score is 10876.  Price is £23.57 |
| A screenshot of a cell phone  Description automatically generated | My name is 10876 and my score is Frankie |

Activity 3

Use graph paper or carefully drawn cells to design a table layout for the output of the sandwich program.

Think how you want the table to look.

* How many columns?
* How many rows?
* Do you want column headings?
* What elements will be upper case?

A picture containing screen, sitting, looking, light

Description automatically generated

Activity 4

Look at your previous design. Modify your design to include:

* the width of each column
* the padding needed for each column.
* the space between the columns.
* a separator between the headings and the data
* the alignment of the data.

A picture containing light, room, parking, lot

Description automatically generated

Implement your design.

* Write the format instructions needed to produce your table.
* Add the instruction into the sandwich program.
* Test and debug until the output matches your design.

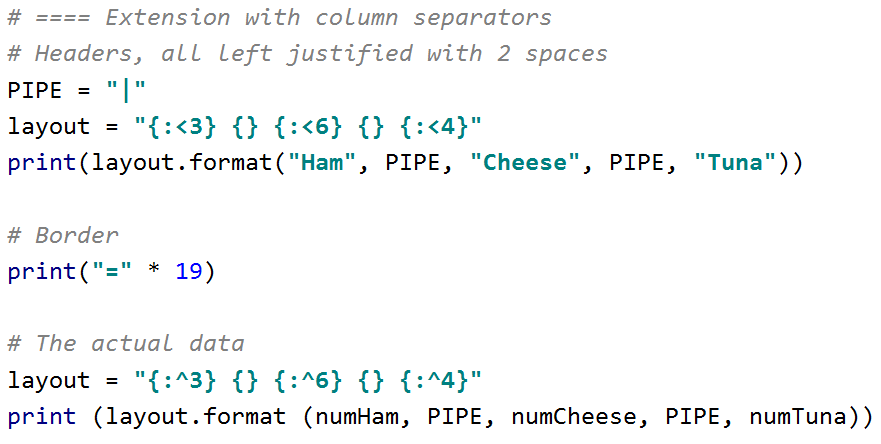
A picture containing bird

Description automatically generated

A screenshot of a cell phone

Description automatically generated

Extension: add column separators.



A picture containing object, clock

Description automatically generated