Activities for y10-04-CT19

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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.

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**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 |  |
| A screenshot of a cell phone  Description automatically generated |  |
| A screenshot of a cell phone  Description automatically generated |  |
| A screenshot of a cell phone  Description automatically generated |  |
| A picture containing person, people  Description automatically generated |  |
| A screenshot of a cell phone  Description automatically generated |  |

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?

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.

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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.

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Extension: add column separators.

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