Homework 2

Task 1 .

The partial program below creates a list of today’s tasks.

|  |  |
| --- | --- |
| 1  2 | tasks = ["Maths homework", "English homework",  "Practise music", "Tidy up room"] |

**Question 1:** What would the program output be if the lines below were added to it?

|  |  |
| --- | --- |
| 3  4 | for task in tasks:  print(task) |

|  |  |
| --- | --- |
| **Answer** |  |

**Question 2:** Fill in the gap, so that the output of the program is any item in the tasks list that contains the text "homework".

|  |  |
| --- | --- |
| 3  4  5 | for task in tasks:  if :  print(task) |

Task 2 .

The program below creates a list of European cities.

|  |  |
| --- | --- |
| 1  2  3  4  5  6 | cities = ["Amsterdam", "Athens", "Belgrade",  "Berlin", "Bern", "Bratislava",  "Brussels", "Bucharest", "Budapest",  "Copenhagen", "Dublin", "Helsinki",  "Lisbon", "Ljubljana", "London",  "Luxembourg"] |

**Question 1:** What would the program output be if the lines below were added to it?

|  |  |
| --- | --- |
| 3  4  5  6  7 | var = 0  for city in cities:  if city[0] == "L":  var = var + 1  print(count) |

|  |  |
| --- | --- |
| **Answer** |  |

**Question 2:** Fill in the gaps in the code below, so that the collection list eventually contains the names of all the cities where "e" is **not** the second letter.

|  |  |
| --- | --- |
|  | collection = .  for city in cities:  if :  .  print(collection) |

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