Task 1: Your first program .

**Step 1**

Type the code from the demonstration into Python and see if you can get it to **run.**

|  |  |
| --- | --- |
| 1  2  3  4 | def welcome():  print("Hello world")  welcome() |

**Step 2**

If you were faced with an **error message**, read the message and try to fix the problem.

Here are some common errors that can occur. Use the checklist to help you fix the problem:

* Missing brackets **()**
* Missed the speech marks around **“**Hello world**”**
* Upper case **P** used for **p**rint
* Missing a colon **:**
* Missing the indent on line 2

Did you have a different error? If so, how did you fix it?

|  |
| --- |
| n/a |

Task 2: Definitions .

What is a **syntax error**? Write a definition and give an example.

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| --- |
| Code breaks due to incorrect syntax. Examples include missing paratheses or incorrect indentation |

What is a **logic error**? Write a definition and give an example.

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| --- |
| Code runs but gives wrong output. E.g incorrect calculations |

Explorer tasks .

1. Get your code to print another line of text on the screen.

def welcome():

print("Hello world")

print("how are you?")

welcome()

1. Purposely introduce **syntax** errors so that you can see what error messages appear on the screen.

Hello world

how are you?

ERROR!

Traceback (most recent call last):

File "<main.py>", line 5, in <module>

NameError: name 'goodbye' is not defined

1. Add an additional subroutine and call it. You could create a goodbye message.

def welcome():

print("Hello world")

def goodbye():

print("Goodbye world")

welcome()

goodbye()