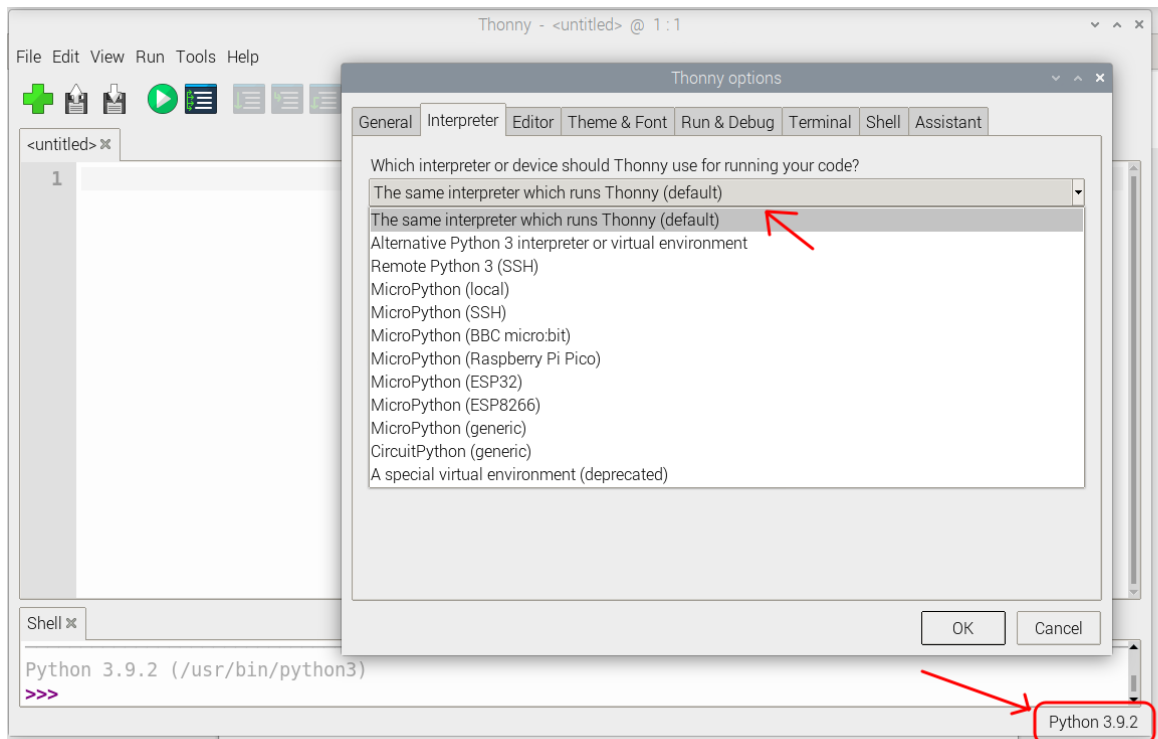


Coding Challenge Getting Started

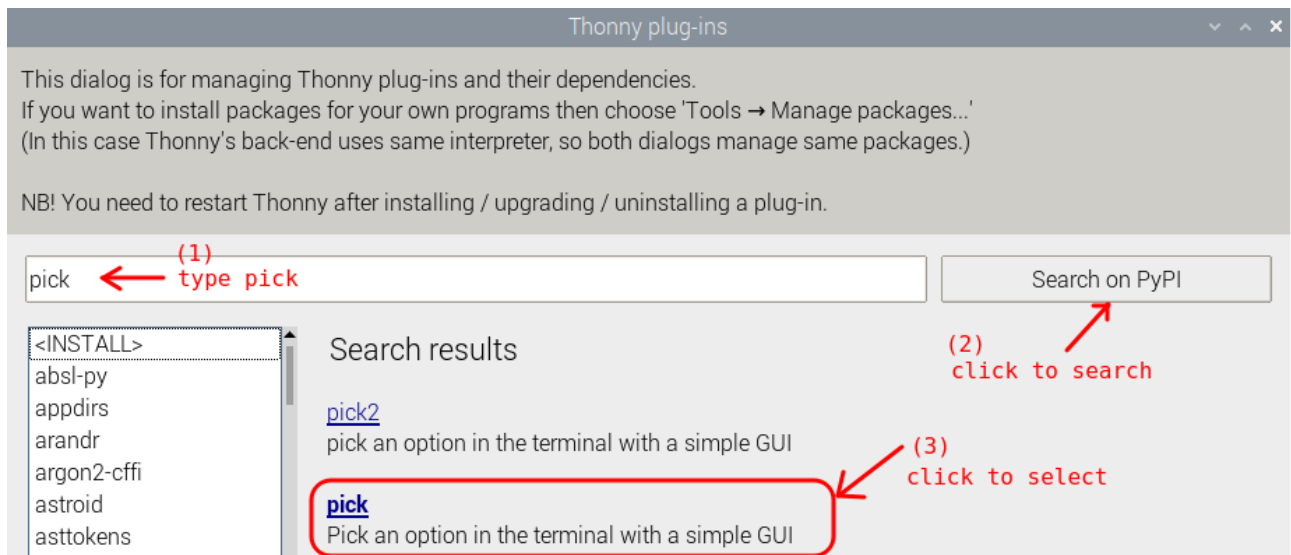
1. Change Thonny converter to Python.

Tools – Options – Interpreter. Click OK when finished and check the bottom left corner if it has changes to Python 3.X.X

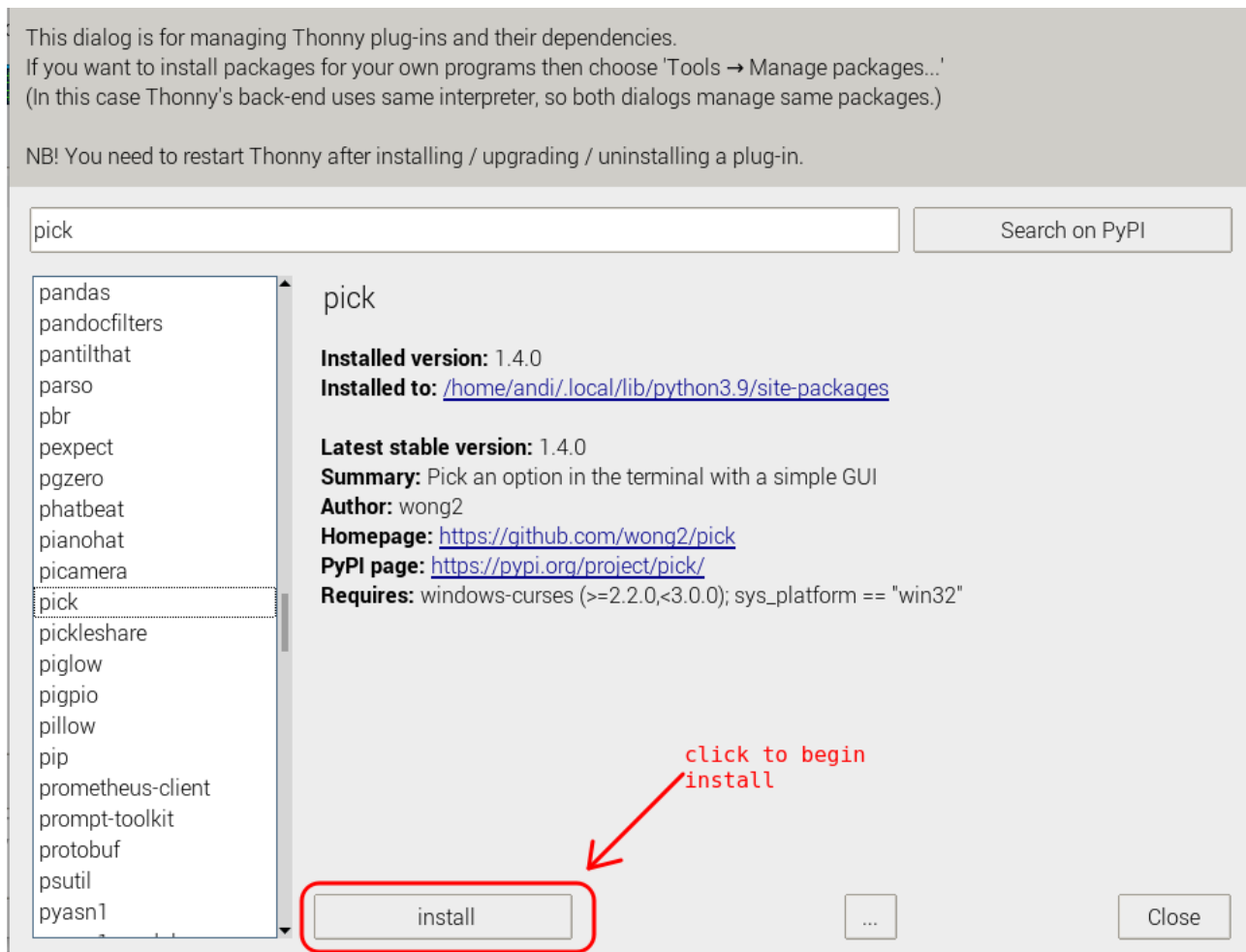


2. Install new library called pick (<https://pypi.org/project/pick/>)

Tools – Manage Plug Ins



Once selected, click install to begin and wait the process until done. Close and back



The repository website <https://pypi.org/project/pick/> contains few examples to get started with pick. Here are some examples taken from the website you may try.

```
from pick import pick
title = 'Please choose your favorite programming language: '
options = ['Java', 'JavaScript', 'Python', 'PHP']
option, index = pick(options, title)
print(option)
print(index)
```

Note:

Pick does not run on Thonny Shell. When you hit run button, you should receive error like shown below. This is Thonny limitation because Thonny does not emulate terminal (command prompt).

The screenshot shows the Thonny IDE interface. The top menu bar includes File, Edit, View, Run, Tools, and Help. Below the menu is a toolbar with icons for file operations and running code. The main editor window displays a file named 'pick_demo.py' with the following code:

```
1 from pick import pick
2 title = 'Please choose your favorite programming language: '
3 options = ['Java', 'JavaScript', 'Python', 'PHP']
4 option, index = pick(options, title)
5 print(option)
6 print(index)
```

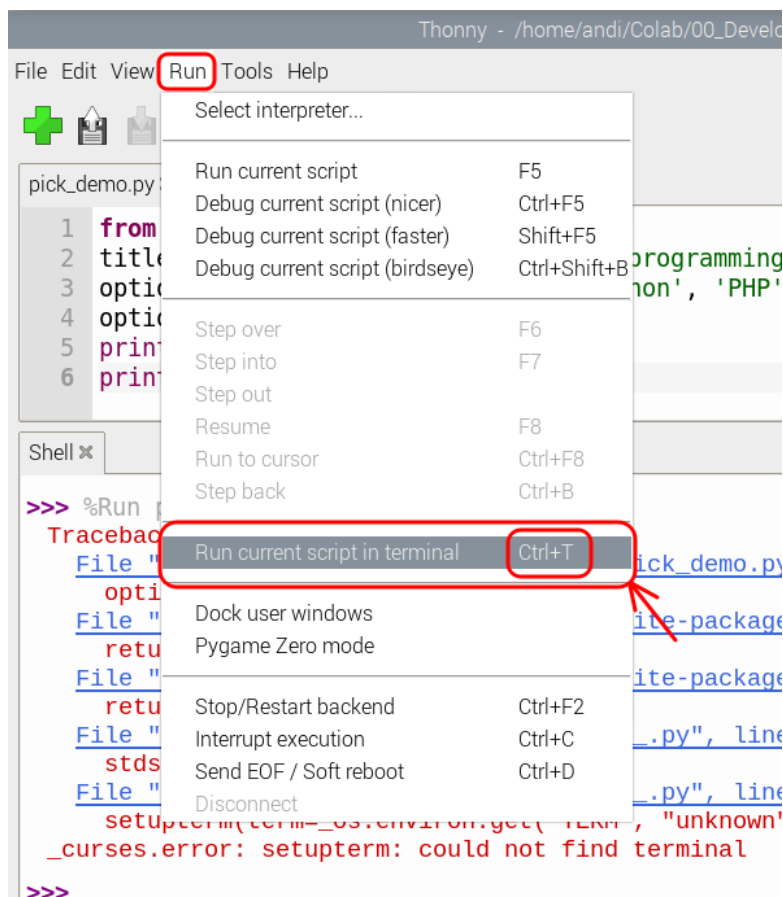
Below the editor is a Shell window showing the command prompt. The command '%Run pick_demo.py' has been entered, but a traceback error has occurred:

```
>>> %Run pick_demo.py
Traceback (most recent call last):
  File "/home/andi/Colab/00_Development/pick_demo.py", line 4, in <module>
    option, index = pick(options, title)
  File "/home/andi/.local/lib/python3.9/site-packages/pick/__init__.py", line 231, in pick
    return picker.start()
  File "/home/andi/.local/lib/python3.9/site-packages/pick/__init__.py", line 201, in start
    return curses.wrapper(self._start)
  File "/usr/lib/python3.9/curses/__init__.py", line 73, in wrapper
    stdscr = initscr()
  File "/usr/lib/python3.9/curses/__init__.py", line 29, in initscr
    setupterm(term=_os.environ.get("TERM", "unknown"),
_curses.error: setupterm: could not find terminal

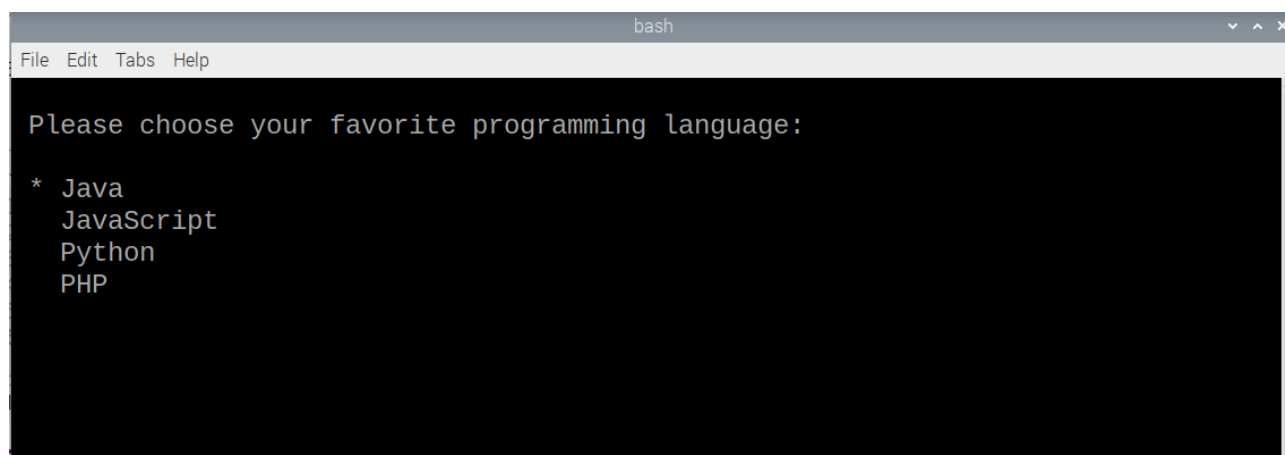
>>>
```

The Python version 3.9.2 is indicated in the bottom right corner of the Shell window.

To run the program in terminal click Run – Run current script in Terminal (shortcut Ctrl – T)



The program will run from the terminal (command line) window



```
bash
File Edit Tabs Help

Please choose your favorite programming language:

* Java
  JavaScript
  Python
  PHP
```

A terminal window titled 'bash' with a menu to choose a favorite programming language. The menu lists four options: Java, JavaScript, Python, and PHP, each preceded by an asterisk. The terminal has a menu bar with 'File', 'Edit', 'Tabs', and 'Help'.