



# PYTHON

## INTERMEDIATE

NAME:

AGE:

START DATE:

### EXTRA:

<https://www.techrocket.com/code/python-courses/python-and-the-curse-of-the-unusually-high-waves>

<https://www.techrocket.com/code/hour-of-code-on-tech-rocket-courses/bad-luck-in-space-with-python-1>

<https://www.techrocket.com/code/hour-of-code-on-tech-rocket-courses/bad-luck-in-space-with-python-2>

<https://www.techrocket.com/code/hour-of-code-on-tech-rocket-courses/bad-luck-in-space-with-python-3>

### CARD 1

#### LISTS

- ☐ Writes code using the len(), append(), remove() and reverse() functions
- ☐ Understands what a list is
- ☐ Understands that Python counts from 0

### CARD 2

#### FOR LOOPS

- ☐ Writes a for loop with a range
- ☐ Writes a for loop with a list
- ☐ Is able to run through each loop iteration and explain the values of each and what is happening

### CARD 3

#### DICTIONARIES

- ☐ Understands the difference between a list and a dictionary
- ☐ Understands what a key and value is
- ☐ Can make a dictionary and add keys and values
- ☐ Creates a for loop using the dictionary

## CARD 4

## FUNCTIONS

- ☐ Understands what a function is
- ☐ Writes a function
- ☐ Uses the function in code

## CARD 5

## FILES

- ☐ Download the suggested file
- ☐ Write code that opens and reads the file
- ☐ Write code that writes to the file

## CARD 6

## FILES

- ☐ Split a file into lines and print them
- ☐ Convert and print text to lower case
- ☐ Write palindrome program



## FURTHER PYTHON

Read Ch 1 to 6 of Invent with Python

[http://inventwithpython.com/inventwithpython\\_3rd.pdf](http://inventwithpython.com/inventwithpython_3rd.pdf)

<https://inventwithpython.com/makinggames.pdf>

**CONGRATULATIONS**  
**YOU HAVE COMPLETED**  
**INTERMEDIATE PYTHON ACTIVITIES**