Learning Python

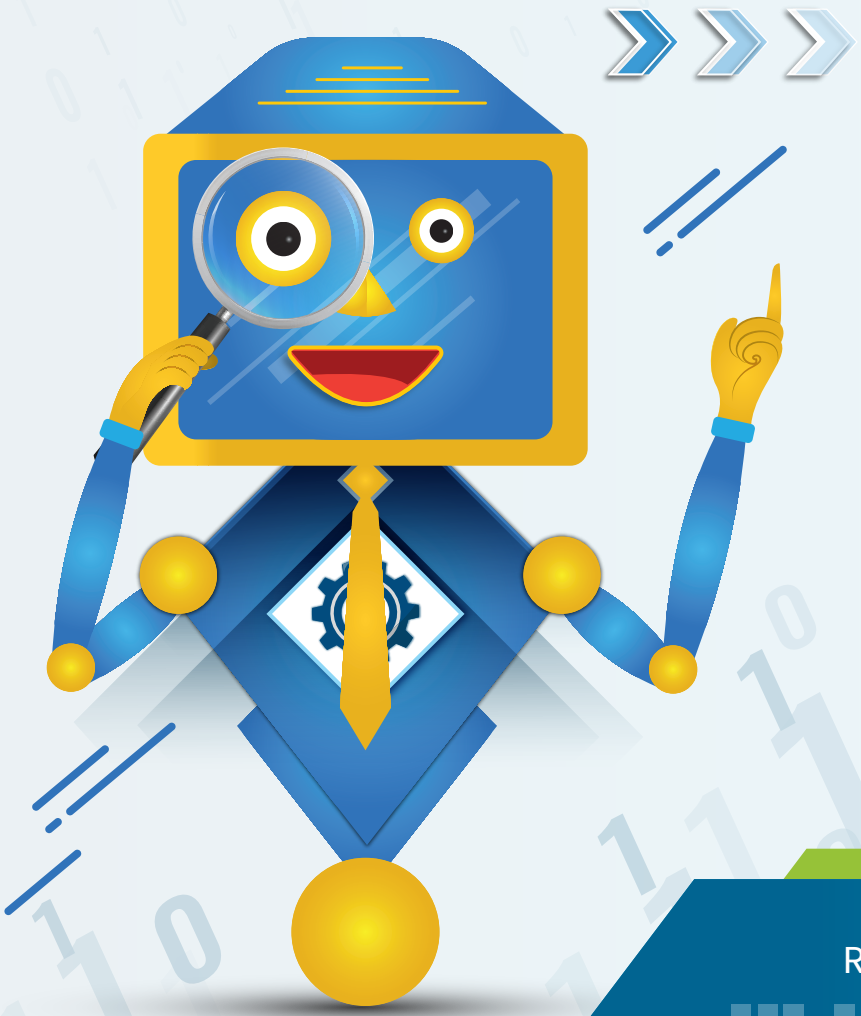
Beginner Level

Python Run

Solutions Book

Level

1



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PythonRun - Beginner Level

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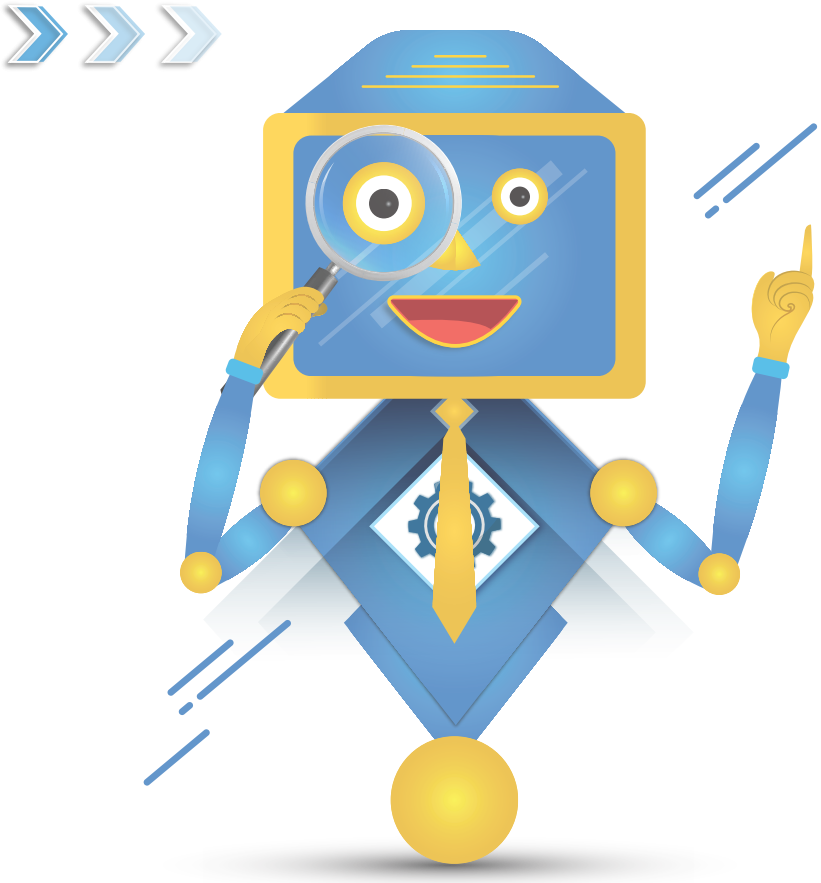

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An Introduction to Python Programing Language

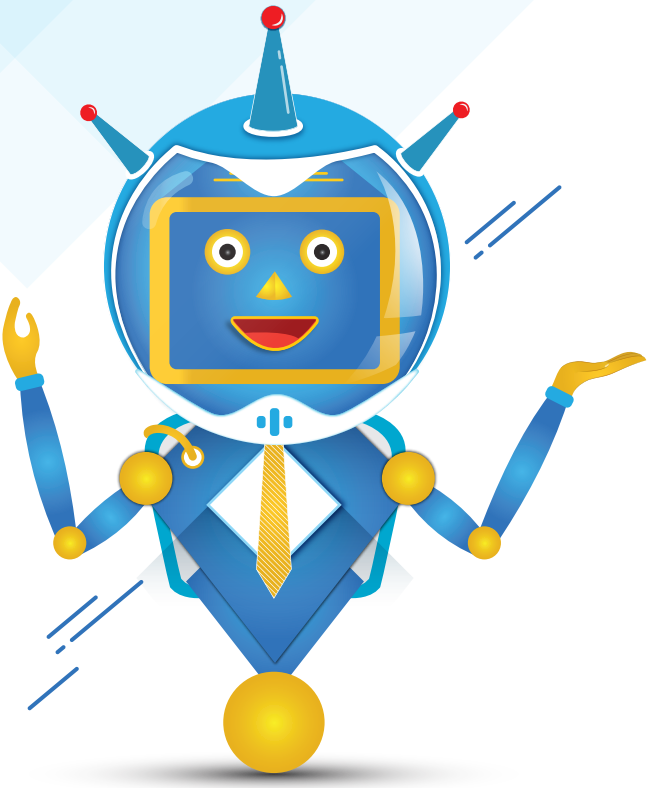
Introduction

This solutions book is for the beginner level in the ***PythonRun*** series.

Here are the solutions to the quick tests at the end of the units as well as the end of the book project-based assessments.

There is not always a single solution to a problem, so the one you have come up with may not match exactly what you will find here, but they will give you an idea of possible approaches.

SOLUTIONS



Unit 3 »

» Working with Data

Quick Tests Solutions

Solution: Good Eating

pg.49

```
>>> name = input('Enter name: ')
>>> age = input ('Enter age: ')
>>> food = input ('Enter favourite food: ') + 's'
>>> # To make the print sentence grammatically correct we can add an 's' to change the food into its plural form.
>>> print ('Hey, my name is %s and I can eat %s %s in 1 minute.' % (name, age, food))
```

Solution: Fill in the Blanks

pg.49

```
>>> print ('''The Terrestrial Planets:
Mercury, Venus, Earth and Mars are called 1)_____ planets, because
they have rocky surfaces. 2)_____ is the closest planet to the sun.
3)_____ , which is also called the evening star, has a 4)_____
of 500 degrees Celsius and clouds of sulfuric acid. 5)_____ is also
known as the red planet. Recently, frozen 6)_____ was discovered
there.''')
>>> one = input('Enter an word for the first blank: ')
>>> two = input('Enter an word for the second blank: ')
>>> three = input('Enter an word for the third blank: ')
>>> four = input('Enter an word for the fourth blank: ')
>>> five = input('Enter an word for the fifth blank: ')
>>> six = input('Enter an word for the sixth blank: ')
>>> print ('''The Terrestrial Planets:
Mercury, Venus, Earth and Mars are called %s planets,
because they have rocky surfaces. %s is the closest
planet to the sun. %s , which is also called the
evening star, has a %s of 500 degrees Celsius and clouds
of sulfuric acid. %s is also known as the red planet.
Recently, frozen %s was discovered there.''' % (one, two, three, four,
five,six))
```

Solution: Mad Libs

pg.50

```
>>> print ('Last month, I went to Disney World with', input('noun 1:\n'),
'. We traveled for', input('number:\n'), 'hours by', input('noun 2:\n'), '. Fi-
nally, we got there and it was very', input('adjective 1:\n'), '. There were',
input('adjective 2:\n'), ' people', input('\'ing\' verb:\n'), 'everywhere. There
were also people dressed up in', input('noun 3:\n'), 'costumes. I wish it
had been more', input('adjective 3:\n'), 'but we', input('past tense verb
1:\n'), 'anyway. We also went on some', input('adjective 4:\n'), 'rides, one
called \"Magic', input('noun 4:\n'), '.\"', input('noun 5:\n'), 'fell off a ride and
had to be', input('past tense verb 2:\n'), '. Last we went to the hotel and',
input('past tense verb 3:\n'), '. Next year, I want to go to', input('noun 6:\n'),
'Land, where we can', input('present tense verb:\n'), '.')
```

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