**About this book**

The book in your hand is a mixed series product collected from all sources, which is a comprehensive Turkish resource creation project for the Python programming language. The aim of this book is to teach Python programming language as fast, detailed and easy as possible to people who are interested in Python programming language and want to learn this programming language.

The target audience for this book is people who have no knowledge of programming. For this reason, we have tried to cover the course topics in this book as detailed and simplified as possible.

**How can I benefit from this book?**

The book in your hand consists of quite long and detailed articles. Therefore, if you pick up this book and try to read it like a novel, you may get bored and lose your determination to learn. Let us give you a few suggestions so that you can follow this book without getting bored and bored.

You can't learn programming languages ​​by burrowing into a book, as if you were studying history, geography, or philosophy. In order to learn programming languages, you also need to actively participate in the learning process. So instead of burying your head in the articles in this book, if you try to write lots of sample code, the things you learn will stick in your mind more easily. This is the first.

Second, no one expects you to memorize every detail in this book. Ingenuity is not able to keep in mind all the details of a subject. A good programmer knows how to research a topic and use resources. As a software developer candidate, what you need to learn is to try to have an idea about the subject at the first stage, rather than trying to memorize all the topics you see to the smallest detail. As you progress in Python, you will already be interested in certain areas and try to improve yourself in those areas. Of course, the details of the subjects you are dealing with will be easier to remember. Moreover, with the guidance of the requirements of a project, you will have the opportunity to do more detailed research on certain topics.

Third, if you feel that you do not understand a subject well enough while studying, please do not frustrate yourself by pursing your lips and curling up in a wall corner. If you don't understand something, read it. If you don't feel comfortable reading it, seek help as outlined below.

**Where can I get help?**

In this book, we tried to explain the topics related to the Python programming language in a clean and understandable language as much as possible. However, some issues may not be fully in your mind. Moreover, sometimes, you may need the help of someone who knows to understand a subject better or to overcome a problem. In such cases, you can visit the forum area of ​​yazbel.com and ask for help from other Python programmers.

The forum area is a very convenient environment for both gaining knowledge and sharing what you know. Your first entry to the forum will likely be to ask for help. But later on, as your Python knowledge increases, you will see that you are in a position to help while looking for help. Here is the forum; It is a unique opportunity to see the change in yourself, to follow the increase in your knowledge level and even to learn new things.

**How can I help the project?**

The aim of this book is to teach Python programming language accurately and in detail, as well as to use proper and understandable Turkish while teaching this programming language. In this respect, you will make an important contribution to this project by correcting the grammar, spelling and punctuation errors in the book, as well as the code errors you can find in the book, in the repository on GitHub or by opening a topic on GitHub.

You can see the list of contributors to the project in this way on the Contributors page.

Apart from that, another way to support the project is to try to answer questions asked in the forum area. In this way, you will both support the project, help others and increase your own knowledge.

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**About Python**

If you've ever been more or less interested in any programming language at some point in your life, you may have heard of Python. Even if you have never experienced a programming language before, there is a high probability that the name Python has been heard from somewhere. Since you are reading these lines, we can assume that you have heard of Python at least once and that you have at least some curiosity about the thing.

Well, what do you know about this thing that we assume is your ear fullness at worst?

In this first section, we will try to explain what Python is and what you can do with it by giving brief information about Python, without going into too much technical detail.

**What is Python?**

As you can imagine, Python (like C, C++, Perl, Ruby and the like) is a programming language, and like any other programming language, it lets you dominate the black box in front of you: the computer.

This programming language started to be developed in the early 90s by a Dutch programmer named Guido Van Rossum. Many people think that this programming language gets its name from the python snake, deceiving that its name is Python. However, contrary to popular belief, the name of this programming language does not come from the python snake. Guido Van Rossum named this programming language after the Monty Python's Flying Circus show by a British comedy group called The Monty Python. However, although this is the case, it has become almost customary for the Python programming language to be represented by the figure of a snake in many places. As we said, Python is a programming language. Moreover, it is a programming language that is easy to learn compared to many languages. So, if you have no previous programming experience, you may prefer to start your programming adventure with Python.

**Why Would I Want to Learn Programming?**

Take a look at your daily life. You will find that you repeat certain tasks in a monotonous way, whether at work or at home at the computer. For example, you may be working in a job that requires you to constantly deal with written documents. Maybe you open dozens of documents every day and search for some information in these documents, correct, renew or delete this information. Consider how time-consuming and tedious these processes are. If you knew a programming language, this programming language could handle all these processes for you.

That's where the Python programming language comes into play. With just a few lines of Python code, you can complete your work that you struggle with for hours every day in a few seconds.

Or consider a situation like this: You may be dealing with PDF documents a lot at your workplace. Maybe you need to convert hundreds of pages of stamped and signed documents into PDF. Moreover, you may be asked to PDF these documents as much as possible in one piece. But while he is scanning hundreds of pages, something goes wrong right in the middle of the job, the machine crashes, and perhaps your document is unintentionally split.

That's where the Python programming language comes into play. If you learn the Python programming language, you can combine your documents and write the program that will do the job yourself, instead of searching for hours on the internet for a free PDF merger program or spending tens of dollars on professional software.

Of course, what you can do with Python is not limited to the simple examples given above. Using Python, you can work in many areas such as desktop programming, game programming, portable device programming, web programming and network programming.

**Why Python?**

One of the biggest features of Python programs is that they can be run without the need for compilation, unlike languages ​​such as C and C++. Since compilation is eliminated in Python, programs can be developed very quickly with this language. In addition, the simple and clean syntax of the Python programming language has made it a preferred language by many programmers. Python's syntax is clean and simple, making it much easier to write a program and read a program written by someone else, compared to other languages. Thanks to Python's above-mentioned features, world-renowned large organizations (such as Google, YouTube and Yahoo!) always need Python programmers in their organization. For example, if we say that many large companies provide job opportunities to programmers who know Python, that Python's lead developer, Guido Van Rossum, worked at Google between 2005 and 2012, and that he moved to Dropbox towards the end of 2012, the importance and validity of this programming language would probably be more relevant. will appear prominently.

Python programming language and those who know it well not only attract the attention of international companies. Python has recently started to attract the attention of institutions and organizations in Turkey. This language is now slowly finding its place in the curricula of universities in Turkey.

In short, for many different reasons, you may want to learn the Python programming language and not another programming language.

**How To Pronounce Python**

We have said so much about the Python programming language. So, do we know how to pronounce python, which is a foreign word? Although its developer is Dutch, python is an English word. Therefore, the rules of English apply in the pronunciation of this word. However, pronouncing this word properly is not easy for native Turkish speakers. Because there is a [th] sound in this word, which does not exist in Turkish and whose pronunciation resembles peltek s. Those who know English will remember this sound from the word think. Native Turkish speakers usually pronounce the word think as [tink]. Therefore, you can pronounce the word python as [paytin].

There are also those who prefer to translate the word python into Turkish and pronounce it as [python]. Of course, you are free to choose a pronunciation that turns your tongue. By the way, if you want to listen to the English pronunciation of the word python, you can visit howjsay.com, and if you are wondering how Guido Van Rossum pronounces this word, you can watch the promotional video at <http://goo.gl/bx9iJu>.