



PYTHON PROGRAMMING IN THE LANGUAGE FUNCTIONS USE

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Abstract : Python programming language intuitive and high level code to write opportunities presented This will in the language functions programming process inseparable part are, they are code again use, clean and effective structure in providing important role Plays . Functions use not only the code clear and understandable to do help gives, maybe programmers recurring from tasks saves . This Python programming in the article in the language functions of use main principles, advantages and practical examples seeing will be released .

Abstract: The Python programming language offers intuitively understandable and high-level coding capabilities. V etom zyyke funktsii yavlyayutsya neot'emlemoy chastyu procesa programmirovaniya i igrayut vajnuyu role v obespechenii povtornogo ospolzovaniya code, a takje clean and effective structure. Ispolzovanie funktsiy ne tolko pomogaet sdelat code bolee ponyatnym i yasnym, no i izbavlyaet programmeristov ot povtoryayushchixsya zadach. V state rassmatrivayutsya osnovnye principy, imushchestva i prakticheskie primery ospolzovaniya funktsiy v zyyke programmirovaniya Python.

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Abstract: The Python programming language offers intuitive and high-level coding capabilities. Functions are an integral part of the programming process in this language, playing an important role in ensuring code reuse, clean and efficient structure. Using functions not only helps to make code clear and understandable, but also saves programmers from repetitive tasks. This article will consider the basic principles, advantages and practical examples of using functions in the Python programming language.

Key words : Python programming language , high level code writing , functions , programming process , again use , repetitive tasks .

Keywords: Python programming language, high-level coding, functions, process programming, povtornoe ispolzovanie, povtoryayushchiesya zadachi.

Keywords: Python programming language, high-level coding, functions, programming process, reuse, repetitive tasks.

Introduction (Vvedenie / Introduction). Python is high level , general purposeful, easy readability and to be studied with famous was programming language . In the late 1980s , Guido van Rossum by working issued and first times in 1991 released . Python programming language simple syntax and strong libraries with programmers between very popular . Python syntax very simple and intuitive . These programmers for code to write facilitates and quickly programming to study help Python provides many to libraries have , they various kind tasks to do help gives . Example for :

NumPy — scientific calculations for
Pandas — data analysis to do and manipulation to do for
Matplotlib — data visualization to do for
Django and Flask — web applications create for

TensorFlow and **PyTorch** — artificial intellect and car study for Python very flexible, easy readable and strong programming language today on the day scientific research, web programming, artificial intelligence, information

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analysis to do such as many in the fields applies . If you programming to study wants to start If you are , Python is very good is a choice .

Python programming in the language functions are the code again use and modularization opportunity giver very important are structures . Function known one task someone who does the value repulsive or any the work done increasing block Your code is . Functions use , code clearer , easier readable and controllable to do help gives

Let's look at Python functions. how use about more detailed information let me give :

Simple Function Creation

In Python function create for def key word is used . Function name, arguments (if needed) if), and his/her body as follows is compiled .

python
<pre>def greet(): print("Salom, Dunyo!")</pre>
Funksiyani chaqirish
<pre>greet() # Natija: Salom, Dunyo!</pre>

Python programming in the language functions use to programmers the code more accurate , more efficient and again usable to do opportunity gives . Functions using the code modularization to do , logic separation , and one how many assistant functions create possible . In Python functions various in methods usage (arguments , lambda functions , decorators , recursion and etc.) code simplification and him/her further flexible in doing big help gives .

Python programming in the language high level functions with work , that is functional programming or high level functions use , code efficiency and readability ease provision for important one concept Python has its own high level functions with

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famous because they the code short, clear and high level abstractions with to work opportunity creates.

High level code Writing , usually , functions high at the level use , that is functions as arguments to give , functions return or functions other functions inside use such as many methods own inside takes. In Python high level code to write to programmers the code simplify , re use and flexible to do opportunity gives . Functions other to functions from pass , return , lambda functions use , map() , filter() , reduce() such as functions use , and decorators such as opportunities using the code further clean and effective to do possible .

Function Returnable Value

Function only any the work done increase not, maybe result It can also return. return operator for is used.

python	
def add(a, b): return a + b	
result = add(3, 5) print(result) # Natija:	8

Here add function two thigh acceptance makes them addictive and the result returns . result variable and returned the value takes .

Summary : Python programming in the language functions use programming process simplify, code again use and effective to manage provision for very important tool is considered. Functions with the help of which we know one task performer code blocks separate we get it is possible, this and the code clearer, easier readable and controllable does.

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378



Выпуск журнала №-70 Часть-1_ Мая -2025