

Question	Answer
What is an expression?	Expressions are representations of value. They are different from statement in the fact that statements do something while expressions are representation of value.
What is syntax error?	Syntax errors are the most basic type of error. They arise when the Python is unable to understand a line of code. Most syntax errors are typos, incorrect indentation, or incorrect arguments.
What is PEP 8?	PEP 8, sometimes spelled PEP-8 or PEP-8, is a document that provides guidelines and best practices on how to write Python code. The primary focus of PEP 8 is to improve the readability and consistency of Python code.
What does it mean do?	Using highlighter, syntactical and logical problems in your Python source code, which otherwise help you identify, and correct subtle programming errors or unconventional coding practices that are hard to notice.
What is the result of this expression: "" + 10	Traceback
What is CPython?	CPython is the reference implementation of the Python programming language. Written in C and Python, CPython is the default and most widely used implementation of the language.
How is CPython different from Jython?	Reference implementation of Python, called CPython. It written in C language. CPython compiles the python source code into intermediate bytecode, which is executed by the CPython virtual machine. Jython is an implementation of the Python programming language that can run on the Java platform. Jython programs use Java classes instead of Python module. Jython compiles into Java byte code, which can then be run by Java virtual machine.
How is CPython different from IronPython?	It the more recent CPython's successor, in C language. CPython compiles the python source code into intermediate bytecode, which is executed by the CPython virtual machine. IronPython is an implementation of the Python programming language that can run on the .Net platform. IronPython programs use .Net classes instead of Python module. IronPython compiles into .Net byte code, which can then be run by .Net virtual machine.
What is a variable?	Variables are containers for storing data values.
What are the primitive built-in types in Python?	Python has four primitive types: integers, floats, strings and booleans.
When should we use "" triple quotes to define string?	When a string starts or ends with a single or double quote and we want to use the triple quotes for the string, we need to use the ones that differ from the starting or ending one. <code>print("He said, 'Thank you it's mine.'")</code>
Assuming name = "John Smith", what does name[0] return?	J
What about name[10]?	n
How to get the length of name?	len(name)
What about name[-1] (last character in Python)?	To insert characters that are illegal in a string, use an escape character, eg. text = "We are the so-called 'Vurrgler' from the Furgle." You will get an error if you use double quotes inside a string that is surrounded by double quotes.
What is the result of print(len(name))?	10
Given name = "John Smith", what will name.strip() return?	John Smith
What does name.strip() do?	John Smith
What will name.strip(" ") return?	John Smith
What will be the value of name after we call name.replace(" ", "X")?	JohnSmith
How do we check to see if name contains "John"?	name in "John Smith"      Output: True
What are the 3 types of numbers in Python?	There are three distinct numeric types: integers, floating-point numbers, and complex numbers.
What is the difference between 10/3 and 10//3?	10/3 = 3.33333... and 10//3 = 3      The result of this division is the integer part of the result, as the fractional part is truncated, if there is any.
What is the result of 10**3?	1000
Given x = 1, what will be the value of other we run y = 30?	1
How can we round a number?	x = 1.54789,      y = round(y, 2),      z = 1.5448
What is the result of round(1)?	1
What is the result of bool("False")?	True
What are the bool values in Python?	Many values include empty sequences (list, tuple, string, dictionary, set), zero in every numeric type, None, and False.
What is the result of 0 < "0"?	False
What is the result of "age" < "30ppp"? (Note: "30ppp" is not a number)	True
What is the result of not(True or False)?	False
Under what circumstance does the expression 10 < age + 42 evaluate to True?	When age is between -30 and 44
What does range(10, 20, 2) return?	range(10, 20, 2) = [10, 12, 14, 16, 18]
How many variables can we have in Python?	list, tuple, dictionary, and sets are all iterable objects.
What is the difference between a parameter and an argument?	A parameter is the variable listed inside the parentheses in the function definition. An argument is the value that are sent to the function when it is called.
What are keyword arguments and when should we use them?	
How can we create a parameter of a function call?	
What happens when we prefix a parameter with an asterisk (*)?	* is used as multiplication operator whereas ** is used as power operator.
What is scope?	A variable is only available from inside the region it is created. This is called scope.
What is the difference between local and global variables?	
How to avoid the global statement and avoid confusion?	
Write a function that returns the maximum of two numbers.	x = [1,2,3,4,5], max(x)