Call by Reference & Call by value

Call ky value

Darsling, the trabus of atual parameter are copied to the hunchonic formal parameter.

Stored in different memory locations.

other is the function copy,

Any changes made Pushde function, are not reflected in the actual parameters of the cellar.

To call by values, we can not alter the values of actual variable turough Annchon calls.

The method 9.8 preferred when

values that should not change.

o hall by value is considered
Safer as original data is
preserved.

Call by Reference

parameter passing, the address of the actual parameters to passed to the timetion as the formal parameters. In L, we use pointers to achieve call by reference.

Poten the cactual & formal rarameters veter to the Same Loatlows.

Any changes made Prostde the function are actually vertected of the actual parameters of the cellar.

o This method be preferred when we have to pass a large amount of data to the function.

allows direct modification in original data.

Call by Value a Call by Reference These two ways are generally differentiated by the type of values passed to their as parameters. The parameters passed to the function are called actual What are Actual & formal Pavarneter in 6. Actual parameters are the valued that are passed to a function when it is called. They are also known as arguments.

These values can be constants, variables, expressions, or even other function colls. Inc, actual parameters are enclosed in parameters & squarted for eq: Int result = add (2,3); 2, 3 are the actual parameters. formal Parameters Pn C! header that are used to receive the values of the actual polameters passed during function calls. Formal parameters are used to define the furtifion signature. Teacher's Signature _

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	Comparison	Python 2	Python 3
	Year of Release	Pymon 2 was released in the year 2000.	Pyteron 2 was released In the year 2008.
	Print" Keyword	In Pydnon2, point is considered to be a statement & not a function.	In Python 3, print is considered to be a function k not a statement.
	Strings	In Python 2, strings are Stored as AS CII by default.	In Python 3, Strongs are stoned as UNICODE by default.
	Diwiston of Integers	on the division of two Portegers, we get an integral value in Python 2. Ar Portance, 7/2 yields 3 in Python 2	
-	Exceptions	In Python 2, exceptions are enclosed an notations.	In Python 3, exceptions are enclosed on parantiseses.
	Vaulable. leakoge	The values of global variables do charge in Pythol Pf they are used inside a for-loop.	The value of variables now changes in python 3.
	Iteration.	In Python2, the xvange () functions has been defined	In Python 3, the new Rayd function was introduced to perform extendens.

"SPECKER A

A SAMPANIA

Python 3 has an elisien Python 2 has more complicated tace of Syntax syntax compared to Syntax than Pymon3. Python 2. A lor of libraries are A lot of librarges of Python 2 are not forward compatible. Libraries be streetly used with Python 3. Pytion 3 le more popular Python 2 Ps no longer in Wage In Fran Python 2 & & exell use office 2020. Loday's Homes Es we in today's thing. Syonon 395 not backward Backward bolly Python 2 codes can be compatible with Python2. ported to Hymon 3 with a lot of effort. Python 3 % used in a lot Application Python 2 was mostly of fields like Software will to become a Engineering, Data Science, Der Ops Englineer. It Ri no conger in use affer 2020.