

Python Reserved Words

You may not name your variables any of the following words as they mean special things in Python:

and assert break class continue
def del elif else except
exec finally for from global
if import in is lambda
not or pass print raise
return try while

Do NOT use any of the following words either (although they are not strictly Python reserved words, they conflict with the names of commonly-used Python functions):

Data Float Int Numeric Oxphys
array close float int input
open range type write zeros

You should also avoid all the names defined in the math library (you must avoid them if you import the library):

acos asin atan cos e
exp fabs floor log log10
pi sin sqrt tan

Payload Length (128)	
Source Address (128)	
Destination Address (128)	
Version : IP version number (6).	
Traffic class : Used by originating nodes and/or forwarders to distinguish between different classes or priorities and requests special handling by the IPv6 routers.	
Flow label : Used by a source to label sequences of packets that require special handling by the IPv6 routers.	
Payload Length : Length of the IPv6 payload (also the length of the header following it).	
Next Header : Identifies the type of the next header that follows immediately after the next header field.	
Hop Limit : Decremented by 1 by each node that forwards the packet.	
Source Address : Address of the originator of the packet.	
Destination Address : Address of the intended recipient (possibly not the ultimate recipient, if a Routing Header is present).	
General Format for IPv6 Global Unicast Address	
Global routing prefix (n bits)	Subnet ID (m)
IPv6 Global Unicast Addresses (not starting with 0000)	
1 000	Global routing prefix (n)
IPv6 Global Unicast Addresses (2000::/3 prefix)	
001	Global routing prefix (45)
IPv4-compatible IPv6 address	
0 (80 bits)	0 (16 bits)
IPv4-mapped IPv6 Address	
0 (80 bits)	FFFF (16 bits)
Link-Local IPv6 Unicast Address (FE80::)	
1111111010 (10 bits)	0 (54 bits)
Site-Local IPv6 Unicast Address (FEC0::)	
1111111011 (10 bits)	Subnet ID
Subnet-Router Anycast Address	
Subnet Prefix (n bits)	
Ethernet Types	
0800	IPv4
0806	ARP
8035	Reverse ARP
86DD	IPv6
8847	MPLS Unicast
8848	MPLS Multicast
8863	PPoE (Discovery stage)
8864	PPoE (PPP sess stage)
IPv6 Next Header Fields	
041	IPv6
000	IPv6 Hop-by-Hop Options
060	Destination Options for IPv6
060	Routing Header for IPv6
043	Fragment Header for IPv6
044	Authentication Header for IPv6
051	Authentication Payload
050	Encap Security Payload
059	No Next Header for IPv6
002	Internet Group Management Protocol
006	Transmission Control Protocol
017	User Datagram Protocol
046	Reservation Protocol
047	General Routing Header
055	IP Mobility (MIPv6)
058	ICMP for IPv6
089	OSPF for IPv6
094	IP-within-IP
103	Protocol Independent Multicast
135	Mobility Header