s1=set({}) print(type(s1)) <class 'dict'> <class 'set'> In [74]: help(int) Help on class int in module builtins: class int(object) int([x]) -> integer int(x, base=10) -> integer Convert a number or string to an integer, or return 0 if no arguments are given. If x is a number, return x.__int__(). For floating point numbers, this truncates towards zero. If x is not a number or if base is given, then x must be a string, bytes, or bytearray instance representing an integer literal in the given base. The literal can be preceded by '+' or '-' and be surrounded by whitespace. The base defaults to 10. Valid bases are 0 and 2-36. Base 0 means to interpret the base from the string as an integer literal. >>> int('0b100', base=0) Built-in subclasses: bool Methods defined here: __abs__(self, /) abs(self) __add__(self, value, /) Return self+value. __and__(self, value, /) Return self&value. __bool__(self, /) self != 0 __ceil__(...) Ceiling of an Integral returns itself. __divmod__(self, value, /) Return divmod(self, value). __eq__(self, value, /) Return self==value. __float__(self, /) float(self) __floor__(...) Flooring an Integral returns itself. __floordiv__(self, value, /) Return self//value. __format__(self, format_spec, /) Default object formatter. __ge__(self, value, /) Return self>=value. __getattribute__(self, name, /) Return getattr(self, name). __getnewargs__(self, /) __gt__(self, value, /) Return self>value. __hash__(self, /) Return hash(self). __index__(self, /) Return self converted to an integer, if self is suitable for use as an index into a list. __int__(self, /) int(self) __invert__(self, /) ~self __le__(self, value, /) Return self<=value. __lshift__(self, value, /) Return self<<value. __lt__(self, value, /) Return self<value. __mod__(self, value, /) Return self%value. __mul__(self, value, /) Return self*value. __ne__(self, value, /) Return self!=value. __neg__(self, /) -self __or__(self, value, /) Return self|value. __pos__(self, /) +self __pow__(self, value, mod=None, /) Return pow(self, value, mod). __radd__(self, value, /) Return value+self. __rand__(self, value, /) Return value&self. __rdivmod__(self, value, /) Return divmod(value, self). __repr__(self, /) Return repr(self). __rfloordiv__(self, value, /) Return value//self. __rlshift__(self, value, /) Return value<<self. __rmod__(self, value, /) Return value%self. __rmul__(self, value, /) Return value*self. __ror__(self, value, /) Return value|self. __round__(...) Rounding an Integral returns itself. Rounding with an ndigits argument also returns an integer. __rpow__(self, value, mod=None, /) Return pow(value, self, mod). __rrshift__(self, value, /) Return value>>self. __rshift__(self, value, /) Return self>>value. __rsub__(self, value, /) Return value-self. __rtruediv__(self, value, /) Return value/self. __rxor__(self, value, /) Return value^self. __sizeof__(self, /) Returns size in memory, in bytes. __sub__(self, value, /) Return self-value. __truediv__(self, value, /) Return self/value. __trunc__(...) Truncating an Integral returns itself. __xor__(self, value, /) Return self^value. as_integer_ratio(self, /) Return integer ratio. Return a pair of integers, whose ratio is exactly equal to the original int and with a positive denominator. >>> (10).as_integer_ratio() (10, 1)>>> (-10).as_integer_ratio() (-10, 1)>>> (0).as_integer_ratio() (0, 1)bit_length(self, /) Number of bits necessary to represent self in binary. >>> bin(37) '0b100101' >>> (37).bit_length() conjugate(...) Returns self, the complex conjugate of any int. to_bytes(self, /, length, byteorder, *, signed=False) Return an array of bytes representing an integer. length Length of bytes object to use. An OverflowError is raised if the integer is not representable with the given number of bytes. The byte order used to represent the integer. If byteorder is 'big', the most significant byte is at the beginning of the byte array. If byteorder is 'little', the most significant byte is at the end of the byte array. To request the native byte order of the host system, use `sys.byteorder' as the byte order value. signed Determines whether two's complement is used to represent the integer. If signed is False and a negative integer is given, an OverflowError is raised. Class methods defined here: from_bytes(bytes, byteorder, *, signed=False) from builtins.type Return the integer represented by the given array of bytes. bytes Holds the array of bytes to convert. The argument must either support the buffer protocol or be an iterable object producing bytes. Bytes and bytearray are examples of built-in objects that support the buffer protocol. byteorder The byte order used to represent the integer. If byteorder is 'big', the most significant byte is at the beginning of the byte array. If byteorder is 'little', the most significant byte is at the end of the byte array. To request the native byte order of the host system, use `sys.byteorder' as the byte order value. signed Indicates whether two's complement is used to represent the integer. Static methods defined here: __new__(*args, **kwargs) from builtins.type Create and return a new object. See help(type) for accurate signature. Data descriptors defined here: denominator the denominator of a rational number in lowest terms imag the imaginary part of a complex number numerator the numerator of a rational number in lowest terms real the real part of a complex number In [1]: st1={34, "Hello", 34, 45, (43, 4, 5)} {(43, 4, 5), 34, 45, 'Hello'} In [2]: st2={"A", "B", 34, "Hello"} st2 {34, 'A', 'B', 'Hello'} Out[2]: In [3]: st3=st1.union(st2) {(43, 4, 5), 34, 45, 'A', 'B', 'Hello'} Out[3]: In [4]: st2.add("D") st2.add("A") st2 Out[4]: {34, 'A', 'B', 'D', 'Hello'} In [5]: $st3={5,6,7}$ $st4={6,7,8}$ st3.update(st4) {5, 6, 7, 8} st4=st3.intersection(st4) st4 {6, 7, 8} In [7]: st4.issubset(st3) st3.issuperset(st4) Out[8]: True In [33]: # Disjoin $st5={4,8,9}$ $st6={1,2,3}$ st5.isdisjoint(st6) True Out[33]: In [12]: st5.remove(4) {8, 9} Out[12]: In [24]: st6.remove(2) $\{1, 3\}$ Out[24]: In [31]: st6.clear() st6 set() Out[31]: st5==st6 False Out[34]: In [53]: $st6={4,9,8}$ st6==st5 True Out[53]: min(st6) Out[54]: 4 In [55]: max(st6) Out[55]: 9 In [56]: len(st6) Out[56]: 3 In [57]: sum(st6) Out[57]: In [38]: # Frozenset fs=frozenset() In [109.. fs frozenset() Out[109.. In [4]: type(fs) frozenset Out[4]: In [59]: namelist=["Kirti", "Trupti", "Nagma", "Poornima"] fs1=frozenset(namelist) frozenset({'Kirti', 'Nagma', 'Poornima', 'Trupti'}) Out[59]: In [70]: namelist2=["srushti", "sudaivi", "Trupti", "megha", "kajal"] fs2=frozenset(namelist2) frozenset({'Trupti', 'kajal', 'megha', 'srushti', 'sudaivi'}) Out[70]: In [71]: fs2.union(fs1) frozenset({'Kirti', 'Nagma', 'Poornima', 'Trupti', 'kajal', 'megha', 'srushti', 'sudaivi'}) fs2.intersection(fs1) frozenset({'Trupti'}) Out[72]: fs2.isdisjoint(fs1) False Out[74]: fs2.issubset(fs1) False Out[75]: In [76]: fs2.issuperset(fs1) Out[76]: In [49]: fs3=frozenset("Hello") frozenset({'H', 'e', 'l', 'o'}) Out[49]: In []:

set

s1={}

print(type(s1))

In [71]: