

QB365 Question Bank Software Study Materials

Lists, Tuples, Sets and Dictionary 50 Important 1 Marks Questions With Answers (Book Back and Creative)

12th Standard

Computer Science

Total Marks : 50

Multiple Choice Question

50 x 1 = 50

- 1) Pick odd one in connection with collection data type
(a) List (b) Tuple (c) Dictionary **(d) Loop**
- 2) Let list1=[2,4,6,8,10], then print(List1[-2]) will result in
(a) 10 **(b) 8** (c) 4 (d) 6
- 3) Which of the following function is used to count the number of elements in a list?
(a) count() (b) find() **(c) len()** (d) index()
- 4) If List=[10,20,30,40,50] then List[2]=35 will result
(a) [35,10,20,30,40,50] (b) [10,20,30,40,50,35] **(c) [10,20,35,40,50]** (d) [10,35,30,40,50]
- 5) If List=[17,23,41,10] then List.append(32) will result
(a) [32,17,23,41,10] **(b) [17,23,41,10,32]** (c) [10,17,23,32,41] (d) [41,32,23,17,10]
- 6) Which of the following Python function can be used to add more than one element within an existing list?
(a) append() (b) append_more() **(c) extend()** (d) more()
- 7) What will be the result of the following Python code?
S=[x**2 for x in range(5)]
print(S)
(a) [0,1,2,4,5] **(b) [0,1,4,9,16]** (c) [0,1,4,9,16,25] (d) [1,4,9,16,25]
- 8) What is the use of type() function in python?
(a) To create a Tuple (b) To know the type of an element in tuple. **(c) To know the data type of python object**
(d) To create a list.
- 9) Which of the following statement is not correct?
(a) A list is mutable (b) A tuple is immutable. (c) The append() function is used to add an element.
(d) The extend() function is used in tuple to add elements in a list.
- 10) Let setA={3,6,9}, setB={1,3,9}. What will be the result of the following snippet?
print(setA | setB)
(a) {3,6,9,1,3,9} (b) {3,9} (c) {1} **(d) {1,3,6,9}**
- 11) Which of the following set operation includes all the elements that are in two sets but not the one that are common to two sets?
(a) Symmetric difference (b) Difference (c) Intersection (d) Union
- 12) The keys in Python, dictionary is specified by
(a) = (b) ; (c) + **(d) ":"**
- 13) Which of the following is an ordered collection of values?

- (a) Set (b) Tuples **(c) List** (d) Dictionary
- 14) `a = ['A', 2, 3, [4,5,6]]` is an example of
 (a) Tuple (b) Set **(c) List** (d) Dictionary
- 15) Which function is used to add a single element to an existing list?
 (a) `add ()` (b) `extend ()` **(c) `append ()`** (d) `addlist ()`
- 16) How many ways to delete an element from a list?
(a) 2 (b) 3 (c) 4 (d) None of these
- 17) Which of the following is used to delete known elements where the index value is known?
 (a) `del` (b) `delete` **(c) `remove ()`** (d) `del ()`
- 18) Which of the following function used to delete one or more elements in the list where the index value is not known
 (a) `del ()` **(b) `remove ()`** (c) `delete ()` (d) `delmore ()`
- 19) What is the output for the following?
`s = [i ** 2 for x in range (1,2)]`
`print (s)`
 (a) [1,4] (b) [1,2] **(c) [1]** (d) (1,4) (e) (1)
- 20) Using `sort ()`, the default sorting is
(a) ascending (b) descending (c) no sorting (d) criteria sorting
- 21) While creating a tuple from a list, the element should be enclosed with in
(a) [] (b) () (c) {} (d) [()]
- 22) Which of the following is an unordered collection of elements without duplicates?
 (a) List (b) Tuple **(c) Set** (d) All of these
- 23) `A = B | C` is equivalent to
 (a) `A = B.set (c)` (b) `A = B.join (c)` **(c) `A = B.union (c)`** (d) `A.B.Set (c)`
- 24) Write the output for the following
`A = {1, 2, 4, 5}`
`B = {1, 6, 7, 5}`
`print (A + B)`
 (a) {1, 2, 4, 5, 6, 7} (b) [2,4] **(c) {2,4}** (d) (2,4)
- 25) Write the output for the following.
`A = {'A', 2, 4, 'D'}`
`B = {'A', 'B', 'C', 'D'}`
`print (B - A)`
(a) {'B', 'C'} (b) {2,4} (c) (2,4) (d) ('B', 'C')
- 26) Which of the following can be used to access a particular element in a dictionary?
 (a) {} **(b) []** (c) () (d) < >
- 27) Choose the correct pair from the following.
 (a) | - union (b) - - intersection **(c) ^ - Symmetric difference** (d) & - Difference
- 28) In python, _____ is an integer number which can be positive or negative.

- (a) Identifier (b) Keyword (c) Operators **(d) Index value**
- 29) A list element can be changed using _____ operator.
 (a) Arithmetic (b) Conditional (c) Binary **(d) Assignment**
- 30) _____ is a powerful feature in python.
(a) Tuple assignment (b) List assignment (c) Assignment statement (d) Set
- 31) Python return _____ value from a function
 (a) Only One (b) Only Two (c) Only Three **(d) More than are**
- 32) In a nested tuple, each tuple is considered as a (n) _____
 (a) Function **(b) Tuple** (c) List (d) Set
- 33) A list or tuple can be converted as set by using _____ function.
 (a) List () (b) Tuple () (c) SetIt () **(d) Set ()**
- 34) The function _____ is used to join to sets in python.
 (a) Join () **(b) Union ()** (c) Join set () (d) Set ()
- 35) In Python, a _____ is a mixed collection of elements but it stores a key along with its element?
(a) Dictionary (b) Set (c) Tuple (d) List
- 36) The keys in a python dictionary is separated by a _____
 (a) ; (b) :: **(c) ;** (d) ,
- 37) Choose the odd one out:
 (a) List (b) Tuples **(c) Statement** (d) Set
- 38) What type of index value is assigned in Python?
 (a) Positive (b) Negative **(c) Positive or negative** (d) Positive and negative
- 39) Choose the odd one out:
 (a) Setting index 0 for first element. (b) Setting index (n-1) for last element **(c) Setting index 1 for first element**
 (d) Setting index -1 for last element
- 40) The len () function returns the _____ in a list.
(a) number of elements (b) type of elements (c) reverse of variables (d) none of the above
- 41) What is the output of the Snippet?

```
>>> Mylist = [34,45,48]
>>> Mylist.insert (2,90)
>>> print (Mylist)
```

 (a) [90, 34, 45, 48] (b) [2, 90, 34, 45, 48] (c) [34, 45, 48, 2, 90] **(d) [34, 45, 90, 48]**
- 42) Which is used to delete unknown elements?
 (a) del () **(b) remove ()** (c) erase () (d) clear ()
- 43) The list () function makes the result of range () as a _____.
 (a) variables **(b) list** (c) element (d) operators
- 44) Which function will affect the original list?
(a) sort () (b) count () (c) copy () (d) reverse ()

- 45) ____ function returns the minimum value in a list.
(a) minimum () (b) low () **(c) min ()** (d) sort ()
- 46) Which function is used to create tuples from a list?
(a) list () **(b) tuple ()** (c) list.merge () (d) sort ()
- 47) Creating a tuple with one element is called ____ tuple.
(a) single (b) one **(c) singleton** (d) only one
- 48) Choose the incorrect Pair:
(a) Set - collection data type (b) Set - Mutable **(c) Set - ordered collection of elements**
(d) Set - elements without duplicates
- 49) The key value pairs are enclosed with _____.
(a) () **(b) { }** (c) [] (d) < >
- 50) Which operator is used to symmetric difference operation?
(a) ^ (b) - (c) & (d) 1