

14. What is batch of SQL statement
 15. What is ENUM
 16. What are the types of SQL commands
 17. What is the difference between Data definition language and Data manipulation language.
 18. What is a Data query language.
 19. What is a Data control language?
 20. What is Transaction control language
 21. What is a subquery. Explain with syntax.
 22. What are the types of views
 23. What is the difference between CONCAT and CONCAT_WS function
 24. What is the difference between ATAN and ATAN2 function
 25. What is the difference between CEIL, FLOOR and ROUND function?
 26. What is a RAND() function
 27. What is the difference between LOCALTIMESTAMP and CURRENT_TIMESTAMP
 28. Which function is used to create date and time
 29. Name three functions that specify current date and time.
 30. Which function returns the difference between two periods. And the result will be in which format.
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Python Interview Questions

Instructions to solve the Questions:

- 1. Explanation for each and every solution must be given in brief.**
 - 2. Screenshot for each and every step must be provided for questions involving practical implementation.**
 - 3. For theory/conceptual questions. Solutions having at least 1 practical implementation will be favoured.**
1. What is a frozen set in Python?
 2. When you exit Python, is all memory deallocated?
 3. Explain garbage collection with Python.
 4. What is the process to calculate percentiles with NumPy?
 5. Explain different ways to create an empty NumPy array in Python.
 6. How will you find, in a string, the first word that rhymes with ‘cake’?
 7. Explain How to create a series from a list, numpy array and dict?
 8. How to get the items of series A not present in series B?
 9. How to get the minimum, 25th percentile, median, 75th, and max of a numeric series?
 10. How to keep only top 2 most frequent values as it is and replace everything else as ‘Other’?
 11. How to bin a numeric series to 10 groups of equal size?
 12. How to find the positions of numbers that are multiples of 3 from a series?
 13. How to stack two series vertically and horizontally?
 14. How to get the positions of items of series A in another series B?
 15. How to compute the mean squared error on a truth and predicted series?
 16. How to calculate the number of characters in each word in a series?

17. How to convert a series of date-strings to a timeseries?
18. How to filter valid emails from a series?
19. How to compute the Euclidean distance between two series?
20. How to replace missing spaces in a string with the least frequent character?
21. How to create a TimeSeries starting '2000-01-01' and 10 weekends (saturdays) after that having random numbers as values?
22. How to fill an intermittent time series so all missing dates show up with values of previous non-missing date?
23. How to import only every nth row from a csv file to create a dataframe?
24. How to change column values when importing csv to a dataframe?
25. How to count the number of missing values in each column?
26. How to replace missing values of multiple numeric columns with the mean?
27. How to use apply function on existing columns with global variables as additional arguments?
28. How to find and cap outliers from a series or dataframe column?
29. How to create a new column that contains the row number of nearest column by Euclidean distance?
30. How to create a column containing the minimum by maximum of each row?
31. How to normalize all columns in a dataframe?
32. How to compute the correlation of each row with the succeeding row?
33. How to replace both the diagonals of dataframe with 0?
34. How to get the particular group of a groupby dataframe by key?
35. How to get the particular group of a groupby dataframe by key?
36. How to compute grouped mean on pandas dataframe and keep the grouped column as another column (not index)?
37. How to join two dataframes by 2 columns so they have only the common rows?

38. How to get the positions where values of two columns match?
39. How to get the frequency of unique values in the entire dataframe?
40. How to split a text column into two separate columns?
41. How to compute the mean squared error on a truth and predicted series?
42. How to convert the first character of each element in a series to uppercase?
43. How to calculate the number of characters in each word in a series?
44. How to compute difference of differences between consecutive numbers of a series?
45. How to get the day of month, week number, day of year and day of week from a series of date strings?
46. How to filter words that contain at least 2 vowels from a series?
47. How to get frequency counts of unique items of a series?
44. How to compute difference of differences between consecutive numbers of a series?
45. How to get the day of month, week number, day of year and day of week from a series of date strings?
46. How to filter words that contain at least 2 vowels from a series?
47. How to get frequency counts of unique items of a series?
48. How to convert a numpy array to a dataframe of given shape?
49. How can we convert a Series to DataFrame?
50. How can we convert DataFrame into an excel file?
51. Write a Python program to check if a specific Key and a value exist in a dictionary.
52. Write a Python program to get the total length of all values of a given dictionary with string values
53. Write a Python program to create a key-value list pairing in a given dictionary.
54. Write a Python program to convert a given list of lists to a dictionary.

55. Write a Python program to extract values from a given dictionaries and create a list of lists from those values.
56. Write a Python program to count the frequency in a given dictionary.
57. Write a Python program to find the specified number of maximum values in a given dictionary.
58. Write a Python program to get all combinations of key-value pairs in a given dictionary.
59. Write a Python program to filter even numbers from a given dictionary values.
60. A Python Dictionary contains List as value. Write a Python program to update the list values in the said dictionary.
61. A Python Dictionary contains List as value. Write a Python program to clear the list values in the said dictionary
62. Write a Python program to convert string values of a given dictionary, into integer/float datatypes
63. Write a Python program to remove a specified dictionary from a given list.
64. Write a Python program to split a given dictionary of lists into list of dictionaries.
65. Write a Python program to create a dictionary grouping a sequence of key-value pairs into a dictionary of lists
66. Write a Python program to filter the height and width of students, which are stored in a dictionary.

Original Dictionary:

**{'Cierra Vega': (6.2, 70), 'Alden Cantrell': (5.9, 65), 'Kierra Gentry': (6.0, 68),
'Pierre Cox': (5.8, 66)}**

Height > 6ft and Weight > 70kg:

{'Cierra Vega': (6.2, 70)}

- 67. Write a Python program to convert more than one list to nested dictionary.**
- 68. Write a Python program to filter a dictionary based on values**
- 69. Write a Python program to drop empty items from a given Dictionary**
- 70. Write a Python program to create a dictionary of keys x, y, and z where each key has as value a list from 11-20, 21-30, and 31-40 respectively. Access the fifth value of each key from the dictionary.**
- 71. Write a Python program to store a given dictionary in a json file**
- 72. Write a Python program to match key values in two dictionaries.**
- 73. Write a Python program to replace dictionary values with their average.**
- 74. Write a Python program to get the top three items in a shop.**
- 75. Write a Python program to create a dictionary from a string.**
- Note: Track the count of the letters from the string.
- 76. Write a Python program to find the highest 3 values of corresponding keys in a dictionary**
- 77. Write a Python program to create and display all combinations of letters, selecting each letter from a different key in a dictionary.**
- 78. Write a Python program to print all unique values in a dictionary**
- 79. Write a Python program to combine two dictionary adding values for common keys**
- 80. Write a Python program to check a dictionary is empty or not**
- 81. Write a Python program to remove duplicates from Dictionary.**

82. Write a Python program to get a dictionary from an object's fields.
83. Write a Python program to get the maximum and minimum value in a dictionary.
84. Write a Python script to sort (ascending and descending) a dictionary by value
85. Write a Python script to add a key to a dictionary.
86. Write a Python script to concatenate following dictionaries to create a new one.
87. Write a Python script to check whether a given key already exists in a dictionary.
88. Write a Python script to generate and print a dictionary that contains a number (between 1 and n) in the form $(x, x*x)$
89. Write a Python script to print a dictionary where the keys are numbers between 1 and 15 (both included) and the values are square of keys
90. Write a Python script to merge two Python dictionaries.
91. Write a Python program to sum all the items in a dictionary.
92. Write a Python program to map two lists into a dictionary.
93. Write a Python program to multiply all the items in a dictionary

94. Write a Python program to remove a key from a dictionary.

95. Define ReIndexing.

96. Define Multiple Indexing?

97. How to Reset the index?

98. Describe Data Operations in Pandas?

99. Define GroupBy in Pandas?

100. What is Time Series in Pandas?

101. Write a Python program to split a list based on first character of word

102. Write a Python program to split a list into different variables.

103. Write a Python program to generate groups of five consecutive numbers in a list.

104. Write a Python program to convert a pair of values into a sorted unique array.

105. Write a Python program to select the odd items of a list.

106. Write a Python program to insert an element before each element of a list.

109. Write a Python program to print a nested lists (each list on a new line) using the print() function.

110. Write a Python program to convert list to list of dictionaries.

Sample lists: ["Black", "Red", "Maroon", "Yellow"], ["#000000", "#FF0000", "#800000", "#FFFF00"]

Expected Output: [{"color_name": "Black", "color_code": "#000000"}, {"color_name": "Red", "color_code": "#FF0000"}, {"color_name": "Maroon", "color_code": "#800000"}, {"color_name": "Yellow", "color_code": "#FFFF00"}]

111. Write a Python program to sort a list of nested dictionaries.

112. Write a Python program to split a list every Nth element.

Sample list: ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm', 'n']

Expected Output: [['a', 'd', 'g', 'j', 'm'], ['b', 'e', 'h', 'k', 'n'], ['c', 'f', 'i', 'l']]

113. Write a Python program to compute the difference between two lists.

Sample data: ["red", "orange", "green", "blue", "white"], ["black", "yellow", "green", "blue"]

Expected Output:

Color1-Color2: ['white', 'orange', 'red']

Color2-Color1: ['black', 'yellow']

114. Write a Python program to create a list with infinite elements.

115. Write a Python program to concatenate elements of a list

116. Write a Python program to remove key values pairs from a list of dictionaries.

117. Write a Python program to convert a string to a list.

118. Write a Python program to check whether all items of a list is equal to a given string.

119. Write a Python program to replace the last element in a list with another list

Sample data : [1, 3, 5, 7, 9, 10], [2, 4, 6, 8]

Expected Output: [1, 3, 5, 7, 9, 2, 4, 6, 8]

120. Write a Python program to check whether the nth element exists in a given list.

121. Write a Python program to find a tuple, the smallest second index value from a list of tuples.

122. Write a Python program to create a list of empty dictionaries.

123. Write a Python program to print a list of space-separated elements.

124. Write a Python program to insert a given string at the beginning of all items in a list. Sample list : [1,2,3,4], string : emp
Expected output : ['emp1', 'emp2', 'emp3', 'emp4']

125. Write a Python program to iterate over two lists simultaneously.

126. Write a Python program to move all zero digits to end of a given list of numbers. Expected output:

Original list:

[3, 4, 0, 0, 0, 6, 2, 0, 6, 7, 6, 0, 0, 0, 9, 10, 7, 4, 4, 5, 3, 0, 0, 2, 9, 7, 1]

Move all zero digits to end of the said list of numbers:

[3, 4, 6, 2, 6, 7, 6, 9, 10, 7, 4, 4, 5, 3, 2, 9, 7, 1, 0, 0, 0, 0, 0, 0, 0]

127. Write a Python program to find the list in a list of lists whose sum of elements is the highest. [Go](#)

Sample lists: [1,2,3], [4,5,6], [10,11,12], [7,8,9]

Expected Output: [10, 11, 12]

128. Write a Python program to find all the values in a list are greater than a specified number.

129. Write a Python program to extend a list without append.

Sample data: [10, 20, 30]

[40, 50, 60]

Expected output : [40, 50, 60, 10, 20, 30]

130. Write a Python program to remove duplicates from a list of lists. Sample list : [[10, 20], [40], [30, 56, 25], [10, 20], [33], [40]]

New List : [[10, 20], [30, 56, 25], [33], [40]]

131. Write a Python program to get the depth of a dictionary.

Expected Output:

Original list:

['abcd', 'abc', 'bcd', 'bkie', 'cder', 'cdsw', 'sdfsd', 'dagfa', 'acjd']

Items start with a from the said list:

['abcd', 'abc', 'acjd']

Items start with d from the said list:

['dagfa']

Items start with w from the said list:

[]

132. Write a Python program to check whether all dictionaries in a list are empty or not. Sample list : [{}, {}, {}]

Return value : True

Sample list : [{1,2}, {}, {}]

Return value : False

133. Write a Python program to flatten a given nested list structure.

Original list: [0, 10, [20, 30], 40, 50, [60, 70, 80], [90, 100, 110, 120]]

Flatten list:

[0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120]

134. Write a Python program to remove consecutive duplicates of a given list.

Original list:

[0, 0, 1, 2, 3, 4, 4, 5, 6, 6, 6, 7, 8, 9, 4, 4]

After removing consecutive duplicates:

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 4]

135. Write a Python program to pack consecutive duplicates of a given list elements into sublists. Original list:

[0, 0, 1, 2, 3, 4, 4, 5, 6, 6, 6, 7, 8, 9, 4, 4]

After packing consecutive duplicates of the said list elements into sublists:

[[0, 0], [1], [2], [3], [4, 4], [5], [6, 6, 6], [7], [8], [9], [4, 4]]

136. Write a Python program to create a list reflecting the run-length encoding from a given list of integers or a given list of characters. Original list:

[1, 1, 2, 3, 4, 4.3, 5, 1]

List reflecting the run-length encoding from the said list:

[[2, 1], [1, 2], [1, 3], [1, 4], [1, 4.3], [1, 5], [1, 1]]

Original String:

automatically

List reflecting the run-length encoding from the said string:

```
[[1, 'a'], [1, 'u'], [1, 't'], [1, 'o'], [1, 'm'], [1, 'a'], [1, 't'], [1, 'i'], [1, 'c'], [1, 'a'], [2, 'l'], [1, 'y']]
```

137. Write a Python program to create a list reflecting the modified run-length encoding from a given list of integers or a given list of characters.

Original list:

```
[1, 1, 2, 3, 4, 4, 5, 1]
```

List reflecting the modified run-length encoding from the said list:

```
[[2, 1], 2, 3, [2, 4], 5, 1]
```

Original String:

```
aabcdadadns
```

List reflecting the modified run-length encoding from the said string:

```
[[2, 'a'], 'b', 'c', [4, 'd'], 'a', 'd', 'n', [2, 's']]
```

138. Write a Python program to decode a run-length encoded given list

Original encoded list:

```
[[2, 1], 2, 3, [2, 4], 5, 1]
```

Decode a run-length encoded said list:

```
[1, 1, 2, 3, 4, 4, 5, 1]
```

139. Write a Python program to split a given list into two parts where the length of the first part of the list is given.

Original list:

```
[1, 1, 2, 3, 4, 4, 5, 1]
```

Length of the first part of the list: 3

Split the said list into two parts:

```
([1, 1, 2], [3, 4, 4, 5, 1])
```

140. Write a Python program to pair up the consecutive elements of a given list.

Original lists:

```
[1, 2, 3, 4, 5, 6]
```

Pair up the consecutive elements of the said list:

```
[[1, 2], [2, 3], [3, 4], [4, 5], [5, 6]]
```

Original lists:

[1, 2, 3, 4, 5]

Pair up the consecutive elements of the said list:

[[1, 2], [2, 3], [3, 4], [4, 5]]

141. Write a Python program to check if a given string contains an element, which is present in a list
142. Write a Python program to find the indexes of all None items in a given list
143. Write a Python program to join adjacent members of a given list
144. Write a Python program to check if first digit/character of each element in a given list is same or not
145. Write a Python program to find the indices of elements of a given list, greater than a specified value.
146. Write a Python program to remove additional spaces in a given list
147. Write a Python program to find the common tuples between two given lists
148. Sum a list of numbers. Write a Python program to sum the first number with the second and divide it by 2, then sum the second with the third and divide by 2, and so on.
149. Write a Python program to compute the average of n^{th} elements in a given list of lists with different lengths
150. Write a Python program to remove all strings from a given list of tuples.
151. Write a NumPy program to get the powers of an array values element-wise
152. Write a NumPy program to get the element-wise remainder of an array of division.
153. Write a NumPy program to calculate the absolute value element-wise

154. Write a NumPy program to concatenate element-wise two arrays of string.
155. Write a NumPy program to repeat all the elements three times of a given array of string
156. Write a NumPy program to capitalize the first letter, lowercase, uppercase, swap case, title-case of all the elements of a given array.
157. Write a NumPy program to insert a space between characters of all the elements of a given array.
158. Write a NumPy program to encode all the elements of a given array in cp500 and decode it again.
159. Write a NumPy program to remove the leading and trailing whitespaces of all the elements of a given array.
160. Write a NumPy program to remove the leading whitespaces of all the elements of a given array.
161. Write a NumPy program to remove the trailing whitespaces of all the elements of a given array.
162. Write a NumPy program to split the element of a given array with spaces.
163. Write a NumPy program to make all the elements of a given string to a numeric string of 5 digits with zeros on its left
164. Write a Python program to find the maximum and minimum value of a given flattened array.
165. Write a NumPy program to get the minimum and maximum value of a given array along the second axis.
166. Write a NumPy program to calculate the difference between the maximum and the minimum values of a given array along the second axis
167. Write a NumPy program to compute the 80th percentile for all elements in a given array along the second axis.
168. Write a NumPy program to compute the median of flattened given array.

169. Write a NumPy program to compute the weighted of a given array.
170. Write a NumPy program to compute the mean, standard deviation, and variance of a given array along the second axis
171. Write a NumPy program to compute the covariance matrix of two given arrays
172. Write a NumPy program to compute cross-correlation of two given arrays
173. Write a NumPy program to compute Pearson product-moment correlation coefficients of two given arrays
174. Write a NumPy program to test element-wise of a given array for finiteness (not infinity or not Not a Number), positive or negative infinity, for NaN, for NaT (not a time), for negative infinity, for positive infinity.
175. Write a Python NumPy program to compute the weighted average along the specified axis of a given flattened array
176. Write a Python program to count number of occurrences of each value in a given array of non-negative integers
177. Write a NumPy program to compute the histogram of nums against the bins.
178. Write a NumPy program to sort a given array of shape 2 along the first axis, last axis and on flattened array.
179. Write a NumPy program to create a structured array from given student name, height, class and their data types. Now sort the array on height.
180. Write a NumPy program to create a structured array from given student name, height, class and their data types. Now sort by class, then height if class are equal.
181. Write a NumPy program to sort the student id with increasing height of the students from given students id and height. Print the integer indices that describes the sort order by multiple columns and the sorted data
182. Write a NumPy program to get the indices of the sorted elements of a given array.

183. Write a NumPy program to sort a given complex array using the real part first, then the imaginary part.
184. Write a NumPy program to partition a given array in a specified position and move all the smaller elements values to the left of the partition, and the remaining values to the right, in arbitrary order (based on random choice)
185. Write a NumPy program to sort the specified number of elements from beginning of a given array.
186. Write a NumPy program to display all the dates for the month of March, 2017
187. Write a NumPy program to get the dates of yesterday, today and tomorrow
188. Write a NumPy program to count the number of days of specific month
189. Write a NumPy program to create a 3x3x3 array with random values
190. Write a NumPy program to create a 5x5 array with random values and find the minimum and maximum values.
191. Write a NumPy program to create a random 10x4 array and extract the first five rows of the array and store them into a variable
192. Write a NumPy program to shuffle numbers between 0 and 10 (inclusive)
193. Write a NumPy program to normalize a 3x3 random matrix
194. Write a NumPy program to create a random vector of size 10 and sort it
195. Write a NumPy program to find the nearest value from a given value in an array
196. Write a NumPy program to check two random arrays are equal or not.
197. Write a NumPy program to create random vector of size 15 and replace the maximum value by -1,
198. Write a NumPy program to find point by point distances of a random vector with shape (10,2) representing coordinates.
199. Write a NumPy program to find the most frequent value in an array.

200. Write a NumPy program to convert cartesian coordinates to polar coordinates of a random 10x2 matrix representing cartesian coordinates



Excel Interview Questions

Instructions to solve the Questions:

- 1. Explanation for each and every solution must be given in brief.**
 - 2. Screenshot for each and every step must be provided for questions involving practical implementation.**
 - 3. For theory/conceptual questions. Solutions having at least 1 practical implementation will be favored.**
 - 4. For MCQ's also, provide the reason for your answer with example to support it.**
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MCQ:

1. Which function in Excel helps in finding out how many numerical entries are there?
 - a) NUM
 - b) COUNT
 - c) SUM
 - d) CHCKNUM
2. A feature that displays data on a column according to specific criteria?
 - a) FORMULA
 - b) FILTER
 - c) SORTING
 - d) PIVOT
3. What is the use of AUTOSUM command?
 - a) Sum of number's in series.
 - b) Sum of number's by leaving one alternate row/column.
 - c) Sum of no's and gives the average value.
 - d) None of the above.
4. Which data type will be placed on the left corner side of the cell?
 - a) Text

- b) Number
- c) Boolean
- d) Error

5. Which data type will be placed on the right corner side of the cell?

- a) Text
- b) Number
- c) Boolean
- d) Error

6. Which data type will be placed in the center of the cell?

- a) Text
- b) Number
- c) Boolean
- d) Error

7. What is the name of the intersection of a column and a row on worksheet?

- a) Column
- b) Value
- c) Address
- d) Cell

8. What type of chart is useful in comparing values versus categories?

- a) Pie Chart
- b) Column Chart
- c) Bar Chart
- d) Stacked Column Chart

9. What function displays row data in a column or column data in a row?

- a) Reverse
- b) Transpose
- c) Inverse

- d) Transfer
10. How are data organized in Excel spreadsheet?
- a) Rows and Columns
 - b) Lines and Spaces
 - c) Height and width
 - d) Only Rows
11. What does the VLOOKUP function do?
- a) Look up values that starts with “v”
 - b) Checks whether the text is same in the other cells/box.
 - c) Find related records.
 - d) All the above.
12. A function inside another function is called ?
- a) Nested Function
 - b) Round Function
 - c) Stacked Function
 - d) Class function
13. Which of the following functions cannot be used to edit the content of a cell?
- a) Pressing Shift key
 - b) Pressing Esc key
 - c) Double-Clicking the cell
 - d) Clicking the Formula Bar
14. To copy cell contents using drag and drop, press the
- a) End key
 - b) Shift Key
 - c) Esc key
 - d) None of the above
15. What is the use of AUTOFILL feature?

- a) Extends a sequential series of data.
 - b) Automatically adds a range of cell values
 - c) Applies a border around selected cell
 - d) None of the above
16. Which is used to filter Dates by Years, Months, Quarters and Days?
- a) Slicer
 - b) Date Filter
 - c) Filter
 - d) Timeline
17. Which of these not a Text functions?
- a) CONCATENATE()
 - b) TEXT()
 - c) LEFT()
 - d) TRIM()
18. Can we find the number of duplicates in a range using COUNTIF() function?
- a) True
 - b) False
19. An Excel workbook is a collection of?
- a) Worksheets
 - b) Workbooks
 - c) Charts
 - d) Worksheets and Charts
20. Excel files have a default extension of?
- Xls
 - b) Xlsx
 - c) Excel
 - a) d) Xlx

21. How can we use format painter multiple times before it turns it off?

- a) Pressing the Ctrl key & clicking the format painter
- b) Pressing the shift key & clicking the format painter
- c) Double-click the format painter
- d) Format painter can't be used multiple times at once

22. Why Excel file is called as worksheet?

- a) It contains Text and Data.
- b) Modifying options
- c) It contains many sheets including worksheets and charts
- d) It contains a limited number of worksheets and charts

23. Which of the following is not the valid data type in Excel?

- a) Number
- b) Label
- c) Character
- d) Date, Time

24. Which of the following methods cannot be used to edit the content in a cell?

- a) Pressing Alt Key
- b) Clicking the formula bar
- c) Pressing Enter key
- d) Double-clicking the cell

25. You can select a single range of cells by

- a) Shift key + Arrow key
- b) Ctrl Key + Arrow Key
- c) Ctrl Key while Dragging over the cell
- d) Dragging over the corresponding cells

26. What does a right-clicking on a cell in Excel do?

- a) Opens a short menu with some options

- b) Deletes the object
- c) Right click won't work
- d) Selects the objects

27. Comments can be added to the cells using

- a) Edit > Comments
- b) Insert > Comments
- c) File > Comments
- d) View > Comments

28. When you copy a formula

- a) Excel erases the original copy of the formula
- b) Excel adjusts absolute cell references
- c) Excel don't adjust relative cell references
- d) Excel edits cell references in newly copied formula

29. Which formula is referred to as Absolute cell reference?

- a) !A!1
- b) \$A%1
- c) \$A\$1
- d) &A&1

30. How to convert Number Data Type into Label Data Type?

- a) Insert ^ at the beginning of the Number
- b) Insert ' at the beginning of the Number
- c) Insert alphabets at the beginning of the Number
- d) Insert * at the beginning of the Number

31. The Greater than sign(>) is an example of which operator?

- a) Arithmetic
- b) Logical
- c) Conditional

- d) Greater
32. Which of the following formula is incorrect?
- a) =1+3
 - b) -A1+10
 - c) =B1+B2
 - d) =B1+10
33. Which of the following formula will excel not be able to calculate?
- a) =SUM(A1:A5)-B1
 - b) =SUM(A1:A5)*2
 - c) =SUM(A1:A13)/(10-4)
 - d) =SUM(Sales)-B1
34. Which of the following is not an example value?
- a) 350
 - b) Jan 10, 2021
 - c) 0.5
 - d) Serial Number 102
35. Getting data from a cell located in a different sheet is called?
- a) Referencing
 - b) Accessing
 - c) Updating
 - d) Functioning
36. What is the purpose of Tab Scrolling button?
- a) Allows to view a different worksheet
 - b) Allows to view an additional worksheet in rows wise
 - c) Allows to view an additional worksheet in column wise
 - d) Allows viewing additional sheets tabs
37. Concatenation of a string can be done using

- a) ‘
- b) !
- c) #
- d) &

38. Data can be arranged in Excel worksheet using?

- a) Auto Formatting
- b) Applying Styles
- c) Changing fonts
- d) All the above

39. The Auto Calculate feature

- a) Can only add number's in a range of cells
- b) Provides a quick way to view the Arithmetic operation result on a range of cells
- c) Creates formula automatically and add it into cells
- d) None of the Above

40. Which feature in Excel quickly completes a series of data?

- a) Auto Complete
- b) Auto Fill
- c) Fill Handle
- d) Sorting

41. The process of arranging the items of the column in some sequence is known as?

- a) Filtering
- b) Sorting
- c) Order
- d) Range

42. In Excel rows are labelled as

- a) A1, B1, C1, etc.
- b) A, B, C, etc.

- c) A1, A2, A3, etc.
- d) 1,2,3, etc.
43. In Excel Columns are labelled as
- a) A1, B1, C1, etc.
- b) A, B, C, etc.
- c) A1, A2, A3, etc.
- d) 1,2,3, etc.
44. What type of chart is good for a single series of data?
- a) Column Chart
- b) Pie Chart
- c) Bar Chart
- d) Tree map
45. How many sheets are there, by default when we create a new Excel file?
- a) 1
- b) 2
- c) 3
- d) 4
46. Which data type will be placed on the right corner side of the cell?
- a) Text
- b) Number
- c) Boolean
- d) Error
47. In Excel which one denoted a range from A2 to A7?
- a) A2-A7
- b) A2,A7
- c) A2:A7
- d) A2;A7

48. Which chart type is best for comparing sales between two products?

- a) Column Chart
- b) Pie Chart
- c) Line Chart
- d) None of the Above

49. What dialog box allows you to change the field name in Pivot Table?

- a) Field Settings
- b) Field Option
- c) Field Cell
- d) Field Structure

50. Merge cells option can be applied from?

- a) Format Cells dialog box Alignment Tab
- b) Formatting toolbar
- c) Both of A and B
- d) None of the Above

51. When you insert an Excel file into a Word document, the data are

- a) Hyperlinked
- b) Placed in a word table
- c) Linked
- d) Embedded

52. You can set page border in Excel from

- a) From border tab in format cells dialog box
- b) From border tool in format toolbar
- c) From line style in format section
- d) Not possible to set page border

53. Which of the following format you can decide to apply or not in Auto Format dialog box?

- a) Number format
- b) Border format
- c) Font format
- d) All the Above

54. Which of the following option can check the conditions against ___ when applying conditional formatting?

- a) Cell value
- b) Formula
- c) Both A and B
- d) We can't check the conditions

55. You can use the formula palette to

- a) Format cells containing number
- b) Create and edit formula containing functions
- c) Enter assumptions data
- d) Copy a range of cells

56. How to join some cells and place the content at the middle of the joined cell?

- a) From Format Cells dialog box click on Merge Cells check box
- b) From Format Cells dialog box select the Centered alignment
- c) From Format Cells dialog box choose To merge and Center check box
- d) Click on Merge and Center tool on formatting toolbar

57. Tab scroll buttons are placed on Excel screen

- a) Towards the bottom right corner
- b) Towards the bottom left corner
- c) Towards the top right corner
- d) Towards the top left corner

58. The Name boxes on to the left of the formula bar

- a) Shows the name of workbook currently working on

- b) Shows the name of worksheet currently working on
- c) Shows the name of cell or range currently working on
- d) None of the above

59. Which of the following cannot be a sheet in workbook?

- a) Work Sheet
- b) Data Sheet
- c) Macro Sheet
- d) Chart Sheet

60. How can you update the values of formula cells if Auto Calculate mode of Excel is disabled?

- a) F8
- b) F9
- c) F10
- d) F11

61. Which of the following Excel screen components can NOT be turned on or off?

- a) Formula Bar
- b) Status Bar
- c) Tool Bar
- d) None of Above

62. What happens when you press Ctrl + X after selecting some cells in Excel?

- a) It will disappear
- b) Marked for Cutting
- c) Cells are Deleted and shifted left
- d) Cells are deleted and shifted up

63. Which of the following option is not available in Paste Special dialog box?

- a) ADD
- b) SQRT

- c) SUBTRACT
 - d) DIVIDE
64. Which command will you choose to convert a column of data into row?
- a) Cut and Paste
 - b) Paste Special > Transpose
 - c) Paste Special > Reverse
 - d) None of Above
65. Which of the cell pointer indicate that you can move the content to another cell?
- a) Big Plus icon
 - b) Small Plus icon
 - c) Mouse Pointer with Anchor at the tip
 - d) None of Above
66. Long text can be broken down into many lines within a cell. You can do this through
- a) Wrap Text Format > Cells
 - b) Justify in Edit > Cells
 - c) Text Wrapping in Format > Cells
 - d) All the above
67. Excel provides the default value in step in Fill Series dialog box
- a) 0
 - b) 1
 - c) 2
 - d) 5
68. Which chart type is best for comparing sales between two products?
- a) Column Chart
 - b) Pie Chart
 - c) Line Chart
 - d) None of the Above

69. The Shortcut key Ctrl + D is used in Excel to

- a) Open the font dialog box
- b) Apply double underline for the active cell
- c) Fill down in the election
- d) None of Above

70. The shortcut key Ctrl + R is used in Excel to

- a) Right align the content of cell
- b) Remove the cell contents of selected cells
- c) Fill the selection with active cells to the right
- d) None of the Above

71. The command Edit > Fill Across worksheet is active only when?

- a) One sheet is selected
- b) When many sheets are selected
- c) When no sheet is selected
- d) None of above

72. Which of the following you can paste selectively using paste Special command?

- a) Validation
- b) Formats
- c) Formulas
- d) All of above

73. Edit > Delete command

- a) Deletes the content of a cell
- b) Deletes formats of cell
- c) Deletes the comment of cell
- d) Deletes selected cells

74. Which command is used to remove the content of selected cells?

- a) Delete

- b) Clear Contents
- c) Clear All
- d) Clear Delete

75. How to remove only the formatting done in a range?

- a) Edit > Clear > Formats
- b) Edit > Delete
- c) Remove Formatting on Std Toolbar
- d) Delete key

76. How to remove a sheet from a workbook?

- a) Select the sheet, choose Edit > Delete Sheet
- b) Select the sheet, choose Format > Sheet > Hide
- c) Both A and B
- d) None of Above

77. Which of the following is not true about Find and Replace in Excel?

- a) Search for bold and replace with italics
- b) Decide whether to look for the word or not
- c) Can Search in formula too
- d) None of Above

78. Shortcut key to replace a data with another in sheet?

- a) Ctrl + R
- b) Ctrl + Shift + R
- c) Ctrl + H
- d) Ctrl + F

79. Comments can be added to cells using?

- a) Home > Comments
- b) Insert > Comments
- c) Data > Comments

- d) View > Comments
80. Getting data from a cell located in a different sheet is called?
- a) Accessing
 - b) Referencing
 - c) Updating
 - d) Functioning
81. Which elements of a worksheet can be protected from accidental modification?
- a) Contents
 - b) Objects
 - c) Scenarios
 - d) All the Above
82. Which area in an Excel window allows entering values and formulas?
- a) Title Bar
 - b) Menu Bar
 - c) Formula Bar
 - d) Standard Tool Bar
83. Multiple calculations can be made in a single formula using?
- a) Std Formulas
 - b) Array formulas
 - c) Complex Formulas
 - d) Smart Formulas
84. Shortcut used to select an entire column in MS-Excel?
- a) Ctrl + C
 - b) Ctrl + Arrow key
 - c) Ctrl + S
 - d) None of Above
85. Function used to get the remainder after a number is divided by a divisor?

- a) ROUND()
- b) FACT()
- c) MOD()
- d) DIV()

86. Which Function is not a built-in in Excel?

- a) BMI
- b) AVG
- c) MAX
- d) SUM

87. Which chart not available in Excel?

- a) Area
- b) Line
- c) Pie
- d) None of Above

88. What will be the output if you format the cell containing 5,436.8 as '#,##0.00'?

- a) 5436
- b) 5436.80
- c) 5436.8
- d) 5437

89. How do you wrap the text in a cell?

- a) Format, cells, font
- b) Format, cells, protection
- c) Format, cells, number
- d) Format, cells, alignment

90. What does COUNTA() function do?

- a) Count cells having alphabets
- b) Counts empty cells

- c) Counts cells having number
- d) Counts non-empty cells
91. What is the shortcut key to highlight the entire column?
- a) Ctrl + C
- b) Ctrl + Enter
- c) Ctrl + Page Up
- d) Ctrl + Space Bar
92. Which of the following Excel screen components can NOT be turned on or off?
- e) Formula Bar
- f) Status Bar
- g) Tool Bar
- h) None of Above
93. In the formula, which symbol specifies the fixed columns or rows?
- a) \$
- b) *
- c) %
- d) &
94. Excel displays the current cell address in?
- a) Formula Bar
- b) Status Bar
- c) Name Box
- d) Title Bar
95. Which is the correct way to refer the cell A10 on sheet3 from sheet1?
- a) Sheet3!A10
- b) Sheet1!A10
- c) Sheet3.A10
- d) A10

96. Which language is used to create macros in Excel?

- a) Visual Basic
- b) C
- c) Visual C++
- d) Java

97. How many worksheets can a workbook have?

- a) 3
- b) 8
- c) 255
- d) None of the above

98. Which key is used for check spelling?

- a) F3
- b) F1
- c) F7
- d) F9

99. What are the tabs that appear at the bottom of each workbook called?

- a) Reference Tabs
- b) Position Tabs
- c) Location Tabs
- d) Sheet Tabs

100. In Excel, a Data Series is defining as what?

- a) A type of chart
- b) A cell references
- c) A collection of related data
- d) A division of results

101. A7:A9 indicates?

- a) Cells A7 and A9 only

- b) Cells A7 through A9
- c) Cell A8 only
- d) None of Above

102. How to center the worksheet titles across a range of cells?

- a) Select the cells containing the title text + range of cells
- b) Ctrl + E
- c) Format the cells
- d) PIVOT

103. What is the use of AUTOSUM command?

- a) Sum of number's in series.
- b) Sum of number's by leaving one alternate row/column.
- c) Sum of no's and gives the average value.
- d) None of the above.

104. The name box in Excel?

- a) Shows the location of the previously active cell
- b) Appears to the left of the formula bar
- c) Appears below the status bar
- d) Appears below the menu bar

105. Comments put in cells are called?

- a) Smart Tip
- b) Cell Tip
- c) Web Tip
- d) Soft Tip

106. What is the use of horizontal and vertical scroll bars?

- a) Split a worksheet into two panes
- b) View different rows and columns to edit cell
- c) Edit cell

d) View different worksheets

107. When the formula bar is active, you can see?

- a) Edit formula button
- b) Cancel button
- c) Enter button
- d) All of above

108. Hyperlinks can be?

- a) Text
- b) Drawing Objects
- c) Pictures
- d) All of above

109. When you link data maintained in Excel workbook to a Word document?

- a) The Word document cannot be edited
- b) The Word document contains a reference to the original source
- c) The Word document must contain hyperlink
- d) The Word document contains a copy of the actual data

110. Formula can be created using?

- a) Values but not cell references
- b) Cell references but not values
- c) Values and cell references
- d) None of above

111. Which function key generates a bar graph from the values entered a graph?

- a) F11
- b) F5
- c) F6
- d) F9

112. Which command need to execute from “run window” to open a new excel file?

a) Ms excel

b) MsExcel

c) ms-excel

d) excel

113. In Excel which chart is also known as X Y chart?

a) Pie Chart

b) Bar Chart

c) Area Chart

d) Scatter Chart

114. Macros are executed from which menu?

a) Insert

b) Format

c) Tools

d) Data

115. You can print only an embedded chart by?

a) Moving the chart to a chart sheet before printing.

b) Formatting the chart before printing

c) Selecting the chart before printing

d) A and C Only

116. Which function calculates your monthly Mort age payment?

a) PMT

b) NPER

c) PV

d) None of Above

117. Which key is used to edit existing Excel data?

a) F1

- b) F2
- c) F3
- d) F4

118. A feature enables to adjust or back solve the value in a cell to reach the desired outcome in a formula?

- a) Goal Seek
- b) Summary report
- c) Trend line
- d) Forecasting

119. Which web component is used to create an interactive Pivot Table?

- a) HTML
- b) Pivot Table Service
- c) Pivot Table Report
- d) Excel Report

120. When Integrating Word and Excel, Word is?

- a) Server
- b) Client
- c) Source
- d) User

121. On an Excel sheet the active cell is indicated by?

- a) A dotted border
- b) A dark wide border
- c) A blinking order
- d) Black Background

122. The process of keeping the row visible while scrolling through the rest of the worksheet?

- a) Freeze Panes
- b) Page Breaks

- c) Margins
 - d) Sorting
123. Can we be able to prevent people from copying the cell from your worksheet?
- a) Yes
 - b) No
124. Which is not belongs to macro languages in Excel?
- a) XLM
 - b) XML
 - c) VBA
 - d) All of Above
125. Number of columns in a worksheet is?
- a) 128
 - b) 256
 - c) 512
 - d) 1024
126. How many characters can be typed in a single cell in Excel?
- a) 2562
 - b) 1024
 - c) 32000
 - d) 65535
127. Can we resize the column in Excel?
- a) Yes
 - b) No
128. Is it possible to make Pivot Table using multiple sources of data?
- a) If the multiple sources are different, from same workbook.
 - b) If the multiple sources are different, from different workbook.
 - c) Both A and B

d) None of Above

129. How can be unprotected a VBA project using code?

a) Inserting Password

b) Inserting code in formula bar

c) It's not possible.

d) None of Above

130. Does each cell in Excel have a unique address?

a) True

b) False

131. How to hide or show Ribbon in Excel?

a) Ctrl + F1

b) Ctrl + F2

c) Ctrl + F3

d) Shift + F5

132. How to increase the number of rows and columns in a worksheet?

a) By pressing Ctrl and + Symbol

b) Go to Insert > Add Column/ rows

c) Right click and add rows and column in worksheet

d) It's not possible to increase the rows/ columns.

133. How many languages does Macro have?

a) 1

b) 2

c) 3

d) 4

134. How to resize the column?

a) Double-click on the boundary line

b) Drag the boundary line on the right side of the column

- c) Both A and B
- d) None of Above

135. The Visual Basic Code Editor will automatically detect certain types of errors as you are entering the code.

- a) True
- b) False

136. Is keyword are also referred to as reversed order?

- a) True
- b) False

137. Visual Basic responds to events using which of the following?

- a) Code Procedure
- b) Event Procedure
- c) Form Procedure
- d) Property

138. What is triggered if the user clicks a button?

- a) Event
- b) Method
- c) Setting
- d) Property

139. Which of the property controller tells the order they receive the focus find when the tab key is pressed during run time?

- a) Focus Order
- b) Focus Number
- c) Tab Index
- d) Control Order

140. What is the use of Properties window in the development of Visual Basic applications?

- a) To change how objects look and feel

- b) Find when opening programs stored on a hard drive
- c) To allow the developer to graphically design program components.
- d) To set program related options like name, location.
141. Which of the properties in a control's list of properties is used to give the control a meaningful name?
- a) Text
- b) Context Menu
- c) Name
- d) Control Name
142. The value returned by Input Box is a string.
- a) True
- b) False
143. Which of the following arithmetic operations has the highest level of precedence?
- a) + - Addition, Subtraction
- b) * / Multiplication, Division
- c) ^ Exponential
- d) () Parentheses
144. Which of the following is a valid name for a variable?
- a) Two_One
- b) 2One
- c) Two One
- d) Two.One
145. Keywords in Visual Basic are words are?
- a) Used to find when naming variables.
- b) Used to name controls, such as TextBox1, Command2, etc.
- c) Have special meaning and should not be used when naming variables.
- d) Used as prefixes for control names (such as text, btn, LBL, and lst).

146. To continue a long statement on another line, use?

- a) an underscore characters.
- b) an ampersand character.
- c) Ctrl + Enter.
- d) a space followed by an underscore character.

147. VBA is?

- a) Used to extend Excel functions
- b) A statistical tool developed by Microsoft for financial analysts
- c) An open-source programming environment
- d) A programming that replaces Excel

148. Find what is the proper syntax Find when using a message dialog box?

- a) MessageBox.Show("Hi there", "Hi")
- b) MessageBox.Show(Hi there, Hi)
- c) MessageBox.Show "Hi There", "Hi"
- d) MessageBox.Show Hi There, Hi

149. What will be the output of the following statement?

```
txtBox.Text = FormatCurrency(1234.567)
```

- a) \$1234.567
- b) 12,34.57
- c) \$1,234.57
- d) \$1234.57

150. Asc("A") is 65. Find what is Asc("C")?

- a) 66
- b) 67
- c) 68
- d) "C"

151. Asc("A") is 65. Find what is displayed by txtBox.Text = Chr(65) & "BC"?

- a) ABC
- b) A BC
- c) 656667
- d) Not enough information is available
152. Which of the following expressions has as its value the words “Hello World? Surrounded by quotation marks?
- a) “Hello World”
- b) Chr(34) & “Hello World”
- c) Chr(34) & Hello World & Chr(34)
- d) Chr(34) & “Hello World” & Chr(34)
153. Which of the following is True?
- a) “Cat” = “cat”
- b) “Cat” < “cat”
- c) “Cat” > “cat”
- d) Relational operators are only valid for numeric values.
154. Which of the following is a valid Visual Basic conditional statement?
- a) $2 < n < 5$
- b) $2 < n$ or < 5
- c) $2 < n$ or 5
- d) $(2 < n)$ Or $(n < 5)$
155. Which of the following VBA windows shows the code of the active object?
- a) Explorer Window
- b) Properties window
- c) Immediate Window
- d) Code Window
156. A VBA unit is called?
- a) Subroutine

- b) Macro
- c) Routine
- d) Program

157. What is Default in VBA among the following?

- a) Pass by Address
- b) Pass by Reference
- c) Pass by Value
- d) None of Above

158. You can set Page Border in Excel from

- a) From Border tab in Format Cells dialog box
- b) From Border tool in Formatting toolbar
- c) From Line Style tool in Drawing toolbar
- d) You cannot set page border in Excel

159. How can you check the conditions against when applying conditional formatting?

- a) Cell Value
- b) Formula
- c) Both A and B
- d) None of Above

160. Which of the following is not true regarding Conditional Formatting?

- a) You can add more than one condition to check
- b) You can set a condition to look for Bold and apply Italics on them
- c) You can apply Font, border and pattern formats that meets the specified conditions
- d) You can delete any condition from Conditional Formatting dialog box if it is not required

161. You can use the formula palette to

- a) Format cells containing numbers
- b) Create and edit formula containing functions
- c) Enter assumptions data
- d) Copy a range of cells

162. Tab scroll buttons are placed on Excel screen

- a) Towards the bottom right corner
- b) Towards the bottom left corner
- c) Towards the top right corner
- d) Towards the top left corner

163. Each Excel file is a workbook that contains different sheets. Which of the following cannot be a sheet in workbook?

- a) Work sheet
- b) Chart sheet
- c) Module sheet
- d) Data sheet

164. A Function may return up to two values?

- a) True
- b) False

165. The command Edit > Fill Across Worksheet is active only when

- a) One sheet is selected
- b) When many sheets are selected
- c) When no sheet is selected
- d) None of above

166. Which of the following series type is not valid for Fill Series dialog box?

- a) Linear
- b) Growth
- c) Autofill
- d) Time

167. Which of the following you can paste selectively using Paste Special command?

- a) Validation
- b) Formats
- c) Formulas
- d) All of above

168. What does Edit > Delete command do?

- a) Deletes the content of a cell
- b) Deletes Formats of cell
- c) Deletes the comment of cell
- d) Deletes selected cells

169. The Delete key of the keyboard is assigned to which command in Excel?

- a) Edit > Clear > Contents
- b) Edit > Clear > All
- c) Edit > Delete
- d) All of above

170. Comments put in cells are called?

- a) Smart Tip
- b) Cell Tip
- c) Web Tip
- d) Soft Tip

SUBJECTIVE:

1. Explain why the numbers positioned on the left corners in a cell/box not considering as a number?
2. How function is different from formula?
3. On which occasion the TRIM() function is used?
4. What is the use of charts in Excel?
5. Difference between relative and absolute references in Excel.
6. What is a Pivot Table, and what are the different sections of a Pivot Table?
7. Can you sort multiple columns at one time?
8. What is Ribbon and where does it appear?
9. What are macros in Excel?
10. What are the different COUNT functions available in Excel?
11. How to calculate Compound Interest in Excel?
12. How does VLOOKUP() function work?
13. What is HLOOKUP in Excel?
14. What is the use of sparkline and its types?
15. How many dates Time function available in Excel and explain some of them?
16. How many text function available in Excel and explain some of them?
17. What are the limitations of VLOOKUP function in Excel?
18. Explain the Data Formats available in Excel?
19. List the order of operation used for evaluating Excel formulas?
20. List some useful functions in Excel?
21. How to resize the column?
22. What is conditional formatting in Excel?
23. Explain Format painter with example?
24. What is dashboard in Excel and give some important things while preparing the dashboards?

25. Explain how cell reference is useful in the calculation?
 26. How to resize the column?
 27. How to use the Same Formatting to Every Sheet in A Workbook in Excel?
 28. How to display the Text in Data Area of Pivot Table?
 29. How to debug a VBA Code?
 30. How to display two data fields side-by-side instead of separate rows?
-



Qlik View Interview Questions

Instructions to solve the Questions:

- 1. Explanation for each and every solution must be given in brief.**
 - 2. Screenshot for each and every step must be provided for questions involving practical implementation.**
 - 3. For theory/conceptual questions. Solutions having at least 1 practical implementation will be favored.**
 - 4. For MCQ's also, provide the reason for your answer with example to support it.**
-

Q-1) Which of the following is not the part of Qlik View components?

- a) Qlik view user management.
- b) Qlik view server.
- c) Qlik view publisher
- d) Qlik view user access

Q-2) Using which connection qlik view can connect to a data base

- a) OLDC connection
- b) OLAP connection
- c) ODBC connection
- d) None of the above

Q-3) Trellis chart can be explained as

- a) We can create an array of charts based on first dimension.
- b) We can create an array of charts based on any dimension.
- c) We can create an array of charts with any two dimension.
- d) All of the above options.

Q-4) Which of the following is correct about Trellis chart?

- a) It is basically a grid of large charts and each are different.
- b) It is basically a grid of small charts or a repetition of charts.
- c) It is basically a grid of all different charts.
- d) It is basically a grid of same charts with different dimension.

Q-5) How many dimensions can you use in Bar chart in Qlik View?

- a) 2
- b) 3
- c) 1
- d) 4

Q-6) Which of the following charts in Qlik View has only expression and no dimension?

- a) Gauge chart
- b) Statistic box
- c) List box
- d) Both a and c
- e) Both a and b

Q-7) Optimal data structure is considered for which of the following

- a) Star Schema
- b) Snowflake schema
- c) Synthetic key
- d) All of the above

Q-8) Which is the file extension for Qlik view?

- a) .qvw
- b) .qvp

- c) .qmp
- d) .qvw

Q-9) Why there is no data type in Qlik View?

- a) There is no enough memory available.
- b) It is enable to understand different data structures.
- c) Needs flexibility for loading data from different data sources.
- d) Both a and c

Q-10) Which of the following is not present in statistical calculations of Qlik View?

- a) T-test
- b) Hypothesis testing
- c) Distributions
- d) M-test

Q-11) Whiskers chart resembles _____.

- a) Box plot
- b) Mekko chart
- c) Time chart
- d) All of the above

Q-12) Which of the following join is not present in Qlik View?

- a) Left join
- b) Right Join
- c) Outer join
- d) Left anti join

Q-13) Web files are loaded in Qlik View with help of?

- a) Script writer
- b) Web Editor
- c) Script merger
- d) None

Q-14) Which QlikView service is employed to distribute the load of data files evenly amongst a cluster of servers.

- a) QlikView Distribution Service
- b) Qlikview Publisher Repository
- c) QlikView management console
- d) Qlikview Server load sharing

Q-15) According to you which of the following document is created by the Qlik View?

- a) User document
- b) Source document
- c) Server document
- d) Intermediate document

Q-16) Where is the information associated with tasks like Reload and Distribution for QlikView documents is stored in QlikView?

- a) QlikView Web Server
- b) QlikView Management Console
- c) QlikView Access Point
- d) QlikView Publisher Repository

Q-17) Which sign can be useful for fuzzy search?

- a) =
- b) *

c) /

d) ~

Q-18) Given a situation where you unsure about the spelling or word that you simply wish to look in QlikView. Which of the given searches would you do?

- a) Wildcard search
- b) Fuzzy search
- c) Advanced search
- d) All of the above

Q-19) A _____ in QlikView captures the selections in all states defined in a QlikView document.

- a) Bookmark
- b) Dashboard
- c) Both
- d) None

Q-20) QlikView can connect to data base using _____ connection created for the database.

- a) OMCD
- b) OCDC
- c) ODBC
- d) OMCN

Q-21) The concept of _____ only the new or changed records from the source into the QlikView document is called Incremental Load.

- a) Loading
- b) Increasing
- c) Decreasing
- d) Changing

Q-22) In _____ we can create array of chart based on first dimension.

- a) Bar chart
- b) Trellis chart
- c) Line chart
- d) Pie chart

Q-23) _____ chart are also made of trellis display.

- a) Bitmap
- b) Pie
- c) Histogram
- d) None

Q-24) With the help of Mini Chart we can set type of _____ - instead of values.

- a) Digits
- b) Characters
- c) Modes
- d) All of the above

Q-25) We can also show _____ like a cross table which is a beneficial feature.

- a) Pivot table
- b) Snowflake table
- c) Statistic table
- d) None

Q-26) If we have to sort a pivot table than we have to sort it first according to the first dimension then to the next.

- a) First dimension
- b) Second dimension

- c) Third dimension
- d) All are possible

Q-27) The model in which the data is prearranged into facts and dimensions is known as _____

- a) Star schema
- b) Snowflake schema
- c) Database schema
- d) None of the above

Q-28) What does \$ means in modifier?

- a) Represents the record of current selection
- b) Represents the previous selection
- c) Represents the next selection
- d) Represents the Bookmark name

Q-29) _____ specifies that the join between the two tables should be left join, it uses before the word join.

- a) Left join
- b) Right join
- c) Inner join
- d) Outer join

Q-30) In _____ tier raw data is loaded and we create QVD.

- a) 1-tier
- b) 2-tier
- c) 3-tier
- d) 4-tier

Q-31) What does \$1 represents in modifier?

- a) Represents the record of current selection
- b) Represents the previous selection
- c) Represents the next selection
- d) Represents the Bookmark name

Q-32) Which graph we will use for two years difference sale ?

- a) Histogram
- b) Bar chart
- c) Pie chart
- d) All of the above

Q-33) In _____ tier QVD is converted in business login and the requirement of business and data model is created.

- a) 1-tier
- b) 2-tier
- c) 3-tier
- d) 4-tier

Q-34) Qlikview stores the data in QVD as QVD has _____ capability.

- a) Data enhancing
- b) Data compression
- c) Data compatibility
- d) Data reduction

Q-35) What does \${_1} represents in modifier?

- a) Represents the record of current selection
- b) Represents the previous selection
- c) Represents the next selection
- d) Represents the Bookmark name

Q-36) We can use a _____ object to keep many charts in the same box.

- a) Chart
- b) Table
- c) Container
- d) Schema

Q-37) _____ can be used for only one application means we can only read the data from one QVW application.

- a) Binary Load
- b) Normal Load
- c) Dynamic load
- d) Secondary load

Q-39) Qlikview has better performance than other BI because of its _____ approach.

- a) Memory analytics
- b) Schema design
- c) Types of charts
- d) All of the above

Q-40) A _____ is much better as we can sort it according to any column as per our choice.

- a) Pivot table
- b) Straight table

- c) Statistic table
- d) none

Q-41) _____ is used for easily spot problem in key field association

- a) ratio
- b) subset ratio
- c) fix ratio
- d) none

Q-42) Which one of the following is a date and time function?

- a) Setdateyear
- b) Now
- c) UTC
- d) All of the above

Q-43) In _____ tier Reading all QVD from 2-tier and we make a single QVW.

- a) 1-tier
- b) 2-tier
- c) 3-tier
- d) 4-tier

Q-44) In _____ join resulting table only contain the combination among two tables with the full data set from the first table.

- a) Left join
- b) Right join
- c) Inner join

- d) Outer join

Q-45) Which function is used to rename a field temporarily?

- a) Rem
- b) Binary
- c) Comment
- d) Alias

Q-46) Which function is used to calculate the sharpness of the peak of a frequency distribution curve?

- a) Skewness
- b) Kurtosis
- c) Alias
- d) peak

Q-47) Which one of the following is NOT an aggregate function?

- a) Max
- b) Sum count
- c) Sum
- d) Date

Q-48) How many dimensions we can use in Bar chart?

- a) 1
- b) 2
- c) 3
- d) 4

Q-49) Which port is used to transfer data between server and clients?

- a) 443
- b) 80
- c) 688
- d) 400

Q-50) In _____ join resulting table only contain the combination among two tables with the full data set from the second table.

- a) Left join
- b) Right join
- c) Inner join
- d) Outer join

Q-51) _____ is used to improve the presentation of particular queries.

- a) Normal schema
- b) Snowflake schema
- c) Star schema
- d) All of the above

Q-52) _____ assigns the variable with assesses the expression.

- a) Set
- b) Let
- c) Match
- d) keep

Q-53) _____ is used for loading data in tables which is already loaded in Qlikview application.

- a) Resident load

- b) Incremental load
- c) Synthetic load
- d) none

Q-54) Straight table is good for _____ purpose.

- a) Binding
- b) Segregating
- c) Grouping
- d) all of the above

Q-55) Which script statement keyword is used to load data from databases?

- a) Resident
- b) Load
- c) Select
- d) none

Q-56) _____ is only relevant for key fields since they are present in multiple tables and do not share the same value.

- a) ratio
- b) subset ratio
- c) fix ratio
- d) none

Q-57) _____ specifies that the join between the two tables should be inner.

- a) Left join

- b) Right join
- c) Inner join
- d) Outer join

Q-58) Modifiers deals with the _____

- a) Attribute name
- b) Field name
- c) Entity name
- d) Table name

Q-59) We can use _____ for various purposes like for reloading the application and to create object.

- a) Macros
- b) Micros
- c) Statistics
- d) All of the above

Q-60) _____ is the key where two or more tables consists more than one common column between them.

- a) Dynamic key
- b) Synthetic key
- c) Schema key
- d) none

Q-61) _____ assigns the variable without assesses the expression.

- a) Set

- b) Let
- c) Match
- d) keep

Q-62) The expression sum({\$<Months=>}TotalSales) is example of _____.

- a) Schema
- b) Table
- c) Measure
- d) Modifier

Q-63) _____ specifies that the join between the two tables should be right join, it uses before the word join.

- a) Left join
- b) Right join
- c) Inner join
- d) Outer join

Q-64) _____ is the field which contain the percentage of row which contain the non-null value.

- a) Subset ratio
- b) Information Density
- c) Both
- d) None

Q-65) Join creates _____ table.

- a) 1

- b) 2
- c) 3
- d) 4

Q-66) In _____ resulting table should contain the full data set from both the sides.

- a) Left join
- b) Right join
- c) Inner join
- d) Outer join

Q-67) Optimized load is much faster and preferable especially for _____ set of data.

- a) Large
- b) Small
- c) Medium
- d) all

Q-68) Keep creates _____ table.

- a) 1
- b) 2
- c) 3
- d) 4

Q-69) What does Bookmark1 represents in modifier?

- a) Represents the record of current selection
- b) Represents the previous selection

- c) Represents the next selection
- d) Represents the Bookmark name

Q-70) The layer are basically set on the sheet object properties layout where bottom, top, normal respective to the _____.

- a) Number
- b) Characters
- c) Alphabets
- d) None

Q-71) Which of the following is not a type of concatenation in Qlik View.

- a) Automatic concatenation
- b) Dynamic concatenation
- c) No concatenation
- d) Forced concatenation

Q-72) The _____ is a way of sorting and arranging data into different sets in sheet objects like charts or tables.

- a) Set analysis
- b) Squat analysis
- c) Cross analysis
- d) None

Q-73) Creating a _____ and linking it with that particular database or fact table will give you all the details of time and date.

- a) Calendar

b) Date functions

c) Master Calendar

d) None

Q-74) LEF stands for _____

a) Licenced Enable File.

b) Licenced Encoder File.

c) Large Enable File.

d) Large Encoder File

Q-75) What does SNMP stands for?

a) Simple network modifier protocol

b) Snowflake network management protocol

c) Simple network management protocol

d) None

Q-76) What are the main tasks performed in the Qlik View document?

a) Reduce

b) Reload

c) Distribute

d) All of the above

Q-77) _____ has application files containing your reports/dashboard data/script/data model and connection strings.

a) QVW

b) QVD

c) QVX

d) none

Q-78) _____ files stores data in a simple format (without GUI) fetched from the database.

- a) QVW
- b) QVD
- c) QVX
- d) none

Q-79) _____ files are used you wish to make your own connector that could connect to QlikView files.

- a) QVW
- b) QVD
- c) QVX
- d) none

Q-80) _____ measures the symmetry in a statistical distribution curve.

- a) Kurtosis
- b) Skewness
- c) Statistics
- d) none



Q-81) _____ function matches a value from one table with an interval or time value in another table.

- a) Match
- b) Interval Match
- c) Internal match
- d) None

Q.82) Backus-Naur Form is a _____

- a) Measure language
- b) Programming language
- c) Meta language

d) None of the above

Q-83) A _____ is used to display information like in a meter gauge.

a) Gauge chart

b) Gauge graph

c) Gauge Diagram

d) none

Q-84) Which QlikView service can search for user information?

a) Qlikview publisher

b) Qlikview server

c) Qlikview publisher repository

d) Qlikview directory service connector

Q-85) What does the Garbage tab do in a transformation wizard?

a) Delete unwanted columns

b) Delete unwanted tables

c) Delete unwanted charts

d) Delete unwanted rows

Q-86) Which option is used to create macros?

a) Macros module

b) Micros module

c) Edit module

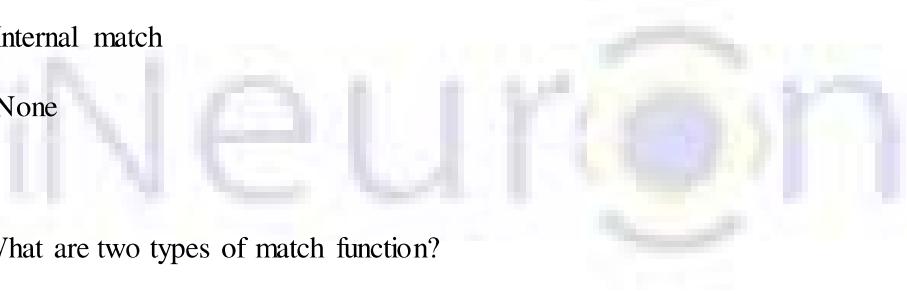
d) All of the above

Q-87) _____ feature enables a user to fetch data files from both in-memory and external databases

- a) Direct memory
- b) Direct discovery
- c) Indirect memory
- d) Indirect discovery

Q-89) _____ function matches a string expression value with other relevant values.

- a) Match
- b) Interval Match
- c) Internal match
- d) None



Q-90) What are two types of match function?

- a) Match
- b) Wild Match
- c) Internal Match
- d) Both a and b

Q-91) KML stands for_____

- a) Keyhole markup language
- b) Key markup language
- c) Key matching language
- d) Keyhole matching language

Q-92) _____ use for defining and containing geographical data which use by earth browsers.

- a) UML
- b) XML
- c) KML
- d) DML

Q-93) In which chart does the x-axis wrapped in a 360° round?

- a) Mekko chart
- b) Gauge chart
- c) Radar chart
- d) Combo chart

Q-94) What action do you expect to take place upon pressing Ctrl+E in QlikView?

- a) Reloading the script
- b) Opening script editor
- c) Open document properties
- d) Open report editors

Q-95) Which of the following is not the type of keep?

- a) Left
- b) Right
- c) Inner
- d) Outer

Q-96) _____ is used to create the mapping table that can be used for replacing field value and field names.

- a) Mapping table
- b) Mapping query
- c) Mapping function
- d) Mapping load

Q-96) What is considered to be the optimal data structure?

- a) Star schema
- b) Snowflake schema
- c) Database schema
- d) Synthetic schema

Q-97) Can Qlik View extract data from website?

- a) Yes
- b) No

Q-98) Which of the following is not a rotate option?

- a) Rotate right
- b) Rotate left
- c) Rotate out
- d) Transpose

Q-99) Ctrl + T is used to view _____

- a) Table view
- b) Dashboard
- c) Menu
- d) None

Q-100) Ctrl + R is used for _____

- a) Reload
- b) Rename
- c) Partial reload
- d) None

Q-101) Which of the following is not a type of load in Qlik View?

- a) Buffer load
- b) Residential Load
- c) Incremental Load
- d) Add load

Q-102) A binary load is one of the types of data loaded from QlikView file into the computer's _____.

- a) Drivers
- b) RAM
- c) ROM
- d) Register Memories

Q-103) Which of the following has only expressions but not dimensions.

- a) Gauge chart
- b) List Box
- c) Trellis chart
- d) Both (a) and (b)

Q-104) A _____ is a compressed table that shows multiple table fields

- a) List box
- b) Multi-box
- c) Statistic box
- d) None of the above

Q-105) _____ option is used while connecting to a database using ODBC and when only provides the 32-bit driver.

- a) Force 32 bit
- b) Force 43 bit
- c) Force 0 bit
- d) None

Q-106) ____ is where at least two tables comprises more than one normal section between them.

- a) Synthetic key
- b) Engineered Key
- c) Manufactured key
- d) None

Q-107) Ctrl + Shift + P is used for _____

- a) Print
- b) Print as image
- c) Print as PDF
- d) None

Q-108) A _____ is a concept that is created when the relationship between two tables can be established directly or through the third table.

- a) For loop
- b) While loop
- c) Circular loop
- d) None

Q-109) Which of the following is not the part of Qlik View Server environment?

- a) Qlik View web server
- b) Directory Service connector
- c) Qlik View Distribution Services
- d) Qlik View console management

Q-110) _____ is a platform that centrally manages all the other QlikView components.

- a) Qlik View Publisher.
- b) Qlik View server
- c) Qlik View Desktop
- d) Qlik Management Console

Q-111) Which of the following are document event triggers?

- a) On Open
- b) OnPostReload
- c) OnEnyselect
- d) OnPostRewduseData
- e) All of the above

Q-112) Which of the following are field event triggers?

- a) OnSelect
- b) OnChange
- c) OnLock
- d) OnUnlock
- e) All of the above

Q-113) A _____ maintains communication between client/end users.

- a) Qlik View Publisher.
- b) Qlik View server
- c) Qlik View Desktop
- d) Qlik View Directory

Q-114) P() is used for _____

- a) Possible values
- b) Excluded values
- c) Targeted values
- d) None of the above

Q-115) If we have data like '98as32r9' and we wish to remove all the alphabets. Which function we will use?

- a) Removealphabets()
- b) Purgechar()
- c) Removechar()
- d) None

Q-116) What is date#() function used for?

- a) Formatting the date
- b) Changing the date
- c) Identifying the date format
- d) None

Q-117) _____ treats the null values as missing values and does not allow linking of data.

- a) NullAsNull
- b) NullAsValue
- c) NullAsEmpty
- d) None

Q-118) How many types of triggers are available in Qlik View?

- a) 1
- b) 2
- c) 3
- d) 4

Q-119) Ctrl + B is used for _____

- a) Adding schema
- b) Adding Table
- c) Adding record
- d) Adding Bookmark

Q-120) Which of the following are book marks in Qlik View?

- a) Document Bookmarks.
- b) User Bookmarks.
- c) Private Server Bookmarks.
- d) Shared Server Bookmarks.

Q-121) Using what we can show multiple expression in table box?

- a) ||
- b) & &
- c) !!
- d) ==

Q-122) _____ allows customers to access and manipulate data files.

- a) Qlik View Publisher.
- b) Qlik View User Access
- c) Qlik View Desktop
- d) Qlik View Directory

Q-123) What is book mark?

- a) A bookmark can select the data in all the states mentioned in the QlikView document.

- b) A bookmark can capture the selections in all the states mentioned in the QlikView document.
- c) A bookmark can load the data in all the states mentioned in the QlikView document.
- d) None

Q-124) _____ system variable used to get the number of statements that have caused errors during script execution.

- a) ScriptErrorCount
- b) ScriptError
- c) ScriptCount
- d) SEC

Q-125) E() is used for _____

- a) Possible values
- b) Excluded values
- c) Targeted values
- d) None of the above

Q-126) In layout tab for sheet objects top, normal and bottom are denoted by what?

- a) 0,1,-1
- b) 1,-1,0
- c) 0,-1,1
- d) -1,0,1

Q-127) _____ helps users to engage in threaded discussions with content.

- a) Qlik View chat

- b) Qlik View FAQs
- c) Qlik View Server
- d) Qlik View Annotation

Q-128) _____ is used by developers to use to create the QlikView data model and GUI layout for application to use at the frontend.

- a) Qlik View Publisher.
- b) Qlik View server
- c) Qlik View Desktop
- d) Qlik View Directory

Q-129) What are various types of tables in Qlik View?

- a) Cross tables
- b) Pivot tables
- c) Straight tables
- d) Mapping table
- e) All of the above

Q-130) Which chart has the following look types: Speedometer, Reflected Tube, Traffic light, Test Tube

- a) Gauge chart
- b) Test tube chart
- c) Radar chart
- d) Funnel chart

Q-131) Which of the following are triggers?

- a) Document Trigger
- b) Sheet trigger
- c) Server Trigger
- d) All of the above

Q-132) Which of the following are document triggers?

- a) Document event trigger
- b) Field Event trigger
- c) Variable Event trigger
- d) All of the above

Q-133) Ctrl + E is used to _____

- a) Edit the page
- b) Edit the script
- c) Edit the charts
- d) None

Q-134) We can find total number of records by using which of the following?

- a) QvdNumberOfRecords ('path with filename')
- b) QvsNumberOfRecords ('path with filename')
- c) QvPNumberOfRecords ('path with filename')
- d) None

Q-135) How many types of bookmark is available in Qlik View?

- a) 1
- b) 2
- c) 3
- d) 4

Q-136) _____ enables linking of data that are null.

- a) NullAsValue
- b) NullAsNull
- c) NullAsEmpty
- d) None

Q-137) By which function does the second half of the table continues besides the first half rather than below it?

- a) Wrap
- b) Rotate
- c) Column
- d) Fill

Q-138) What is considered as identifier in set analysis?

- a) \$
- b) &
- c) *
- d) !

Q-139) Ctrl +Shift + R is used for _____

- a) Partial reload
- b) Reload script
- c) Reload charts
- d) none

Q-140) The _____ is a way of sorting and arranging data into different sets in sheet objects like charts or tables.

- a) Set analysis
- b) Squat analysis
- c) Cross analysis
- d) None

Q-141) Full form of XML is _____.

- a) Extensive Markup language
- b) Extra Markup language
- c) Extensible Markup language
- d) None

Q-142) _____ function these function we are used for Update and delete records updating in QVD. these also we are using where clause.

- a) Exist
- b) Not Exist
- c) Exit
- d) None

Q-143) From which one of these menus will you get an option for Alerts?

- a) Layout
- b) Views
- c) Tool
- d) Object

Q-144) _____ is handled by IT professionals in Qlik View.

- a) Qlik View Publisher.
- b) Qlik View server
- c) Qlik View Desktop
- d) Qlik Management Console

Q-145) _____ function is used commonly in where clause is the values need to load whatever we have already in QVD those records need to load that time

- a) Exist
- b) Not Exist
- c) Exit
- d) None

Q-146) How can we drop some fields from the memory during script execution?

- a) Drop
- b) Delete
- c) Exit
- d) None

Q-147) Which of the following is not used to separate data fields from a delimited files?

- a) Comma
- b) Tab
- c) Semicolon
- d) Full stop

Q-149) Can we store a sound file in a QlikView document?

- a) Yes
- b) No\

Q-150) We can store a sound file in Qlik View Document using which prefix?

- a) Bundle
- b) Sound
- c) Voice
- d) None

Q-151) _____ statement is used to load data from databases.

- a) Load
- b) Select
- c) Match
- d) All

Q-152) _____ expansion is used to expand the contents of one cell into several cells in the table.

- a) Content Cell

- b) Context Cell
- c) Call Cell
- d) None

Q-153) Applications created in the desktop version are hosted on _____ so that users can access and use them anywhere.

- a) Qlik View Desktop
- b) Qlik View publisher
- c) Qlik View Server
- d) Qlik View Console

Q-154) The _____ mode uses the internal web browser in QlikView to display the document layout as an AJAX page.

- a) Web browser
- b) Web view
- c) Web scrapper
- d) None

Q-155) What does *si* in text search means?

- a) It searches word with Si as start
- b) It searches word with Si as end
- c) It searches any string that contains si
- d) None

Q-156) While loading two tables cannot intersect with each other. How to find out in QV?

- a) Join

- b) Outer Join
- c) Concatenate
- d) NoConcatenate

Q-157) Which option is used to create macros?

- a) Macros module
- b) Micros module
- c) Edit module
- d) All of the above

Q-158) _____ statement is used to load data from all files.

- a) Load
- b) Select
- c) Match
- d) All

Q-159) ETL and OLAP is supported in which of the following?

- a) Qlik View.
- b) Qlik Sense

Q-160) Which of the following has hidden script?

- a) Qlik View.
- b) Qlik Sense

Q-161) Which of the following supports multi cloud platform?

a) Qlik View.

b) Qlik Sense

Q-162) Which button helps you to enter in search mode?

a) F3

b) F4

c) F5

d) F6

Q-163) The _____ function to a Load or Select (SQL) statement is used for linking discrete numeric values to one or more numeric intervals.

a) Match

b) Internalmatch

c) NoMatch

d) None

Q-164) ctrl + G is used for _____

a) Show/hide ruler

b) Show/hide grid

c) Show/hide script

d) none

Q-165) The _____ option is used to mark and delete the data that is not required or that is jumbled and not useful.

a) Dustbin

b) Garbage

- c) Throw
- d) All of the above

Q-166) Which of the following is not the part of Qlik View architecture?

- a) Qlik View Publisher.
- b) Qlik View server
- c) Qlik View Desktop
- d) Qlik View Directory

Q-167) What are the two ways to insert Load statements into script editor?

- a) Inline
- b) File
- c) Both a and b
- d) None

Q-168) ____ is where at least two tables comprises more than one normal section between them.

- a) Synthetic key
- b) Engineered Key
- c) Manufactured key
- d) None

Q-169) How many types of rotate option are available in Qlik View?

- a) 1
- b) 2

c) 3

d) 4

Q-170) A _____ shows all the values of single table fields in the form of a list.

- a) List box
- b) Multi-box
- c) Statistic box
- d) None of the above



SUBJECTIVE QUESTION.

- Q1) What are the difference in the features of Power BI, Tableau, and Qlik View?**
- Q2) Explain the components of Qlik View. Explain its features?**
- Q3) What is difference between Qlik view and Qlik Sense?**
- Q4) What are different types of charts which you can use in Qlik View?**
- Q5) Name some tiers of Qlik View and explain them?**
- Q6) Explain snapshots in qv**
- Q7) Explain .QVD files in Qlik View?**
- Q8) Explain CAL in qlik view?**
- Q9) Explain difference between Join and keep.**
- Q10) Explain types of join in Qlik view.**
- Q11) Explain trellis chart of qlik view**
- Q12) Explain difference between straight table and pivot table**
- Q13) Explain snowflake scheme**
- Q14) Explain various statistical functions used in qlik view?**
- Q15) What are various date and time functions in qlik view.**
- Q16) Explain Sheets options in QlikView?**
- Q17) What is set analysis in qlik view?**
- Q18) What is the QlikView server and Publisher?**
- Q19) Name different data bases that can be used with Qlik view?**
- Q20) Explain crosstable feature of qlik view?**
- Q21) Explain scripting in qlik view?**
- Q22) Explain match() function of QV?**
- Q23) What do you know about the report interface of QV?**
- Q24) Significance of rank() function of QV?**
- Q25) What is QIX Engine?**

Q26) Explain data transformation feature of QV?

Q27) Describe the data model view of QV?

Q28) What is star schema in QV?

Q29) Discuss master calendar option of qv?

Q30) What is fuzzy search in qv?



R Interview Questions



Instructions to solve the Questions:

- 1. Explanation for each and every solution must be given in brief.**
 - 2. Screenshot for each and every step must be provided for questions involving practical implementation.**
 - 3. For theory/conceptual questions. Solutions having at least 1 practical implementation will be favoured.**
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- 1) List out some of the function that R provides?
- 2) Explain how you can start the R commander GUI?
- 3) In R how you can import Data?
- 4) Explain how R commands are written?
- 5) How can you save your data in R?
- 6) Mention how you can produce co-relations and covariances?
- 7) Explain what is t-tests in R?
- 8) Explain what is With () and By () function in R is used for?
- 9) What are the data structures in R that is used to perform statistical analyses and create graphs?
- 10) Explain general format of Matrices in R?
- 11) In R how missing values are represented?
- 12) Explain what is transpose?
- 13) Explain how data is aggregated in R?
- 14) What is the function used for adding datasets in R?
- 15) What is the use of subset() function and sample() function in R ?

- 16)** Explain how you can create a table in R without external file?
- 17)** What are the different components of grammar of graphics?
- 18)** What is Rmarkdown? What is the use of it?
- 19)** How do you install a package in R?
- 20)** What are the steps to build and evaluate a linear regression model in R?
- 21)** Name some packages in R, which can be used for data imputation?
- 22)** Explain about confusion matrix in R?
- 23)** Explain initialize() function in R?
- 24)** How can we find the mean of one column with respect to another?
- 25)** What is a Random Walk model?
- 26)** What is a White Noise model?
- 27)** Give any five features of R.
- 28)** Differentiate between R and Python in terms of functionality?
- 29)** Explain RStudio.
- 30)** What are the advantages and disadvantages of R?
- 31)** What is the purpose behind R and Hadoop integration?
- 32)** What will be the output of the expression all(NA==NA)?
- 33)** What is the difference b/w sample() and subset() in R?
- 34)** Why do we use the command - install.packages(file.choose(), repos=NULL)?
- 35)** Give the command to create a histogram and to remove a vector from the R workspace?
- 36)** Differentiate b/w "%%" and "%/%".
- 37)** Why do we use apply() function in R?
- 38)** Differentiate between library() and require() functions.
- 39)** What is the t-test() in R?
- 40)** What is the use of with() and by() functions in R?
- 41)** Differentiate b/w lapply and sapply.
- 42)** Explain aggregate() function.
- 43)** Explain the doBy package?
- 44)** Explain fitdistr() function?
- 45)** What are GGobi and iPlots?
- 46)** Explain the lattice package.
- 47)** Explain anova() function.
- 48)** Explain cv.lm() and stepAIC() function
- 49)** Explain leaps() function

- 50)** Explain relaimpo and robust package
- 51)** Give full form of MANOVA and what is the use of it.
- 52)** Explain mashapiro.test() and barlett.test().
- 53)** Explain the use of the forecast package.
- 54)** Differentiate between qda() and lda() function.
- 55)** Explain the auto.arima() and principal() function.
- 56)** Explain FactoMineR
- 57)** What is the full form of SEM and CFA?
- 58)** Define cluster.stats() and pvclust() function().
- 59)** Define MATLAB and party packages.
- 60)** Explain S3 and S4 systems.
- 61)** Explain Chi-Square Test
- 62)** Explain Random Forest.
- 63)** Explain Time Series Analysis.
- 64)** Explain Pie chart in R.
- 65)** Explain Histogram.
- 66)** What is the main difference between an Array and a matrix?
- 67)** Which data object in R is used to store and process categorical data?
- 68)** What is the main difference between an Array and a matrix?
- 69)** Which data object in R is used to store and process categorical data?
- 70)** How can you load and use csv file in R?
- 71)** How do you get the name of the current working directory in R?
- 72)** What is R Base package?
- 73)** How R is used in logistic regression?
- 74)** How do you access the element in the 2nd column and 4th row of a matrix named M?
- 75)** What is recycling of elements in a vector?
- 76)** Give an example.What are different ways to call a function in R?
- 77)** What is lazy function evaluation in R?
- 78)** How do you install a package in R?
- 79)** Name a R packages which is used to read XML files.
- 80)** Can we update and delete any of the elements in a list?
- 81)** Give the general expression to create a matrix in R.
- 82)** which function is used to create a boxplot graph in R?
- 83)** In doing time series analysis, what does frequency = 6 means in the ts() function?

- 84)** What is reshaping of data in R?
- 85)** What is the output of runif(4)?
- 86)** How to get a list of all the packages installed in R ?
- 87)** What is expected from running the command - strsplit(x,"e")?
- 88)** Give a R script to extract all the unique words in uppercase from the string - "The quick brown fox jumps over the lazy dog".
- 89)** Vector v is c(1,2,3,4) and list x is list(5:8), what is the output of v*x[1]?Vector v is c(1,2,3,4) and list x is list(5:8), what is the output of v*x[[1]]?
- 90)** What does unlist() do?
- 91)** Give the R expression to get 26 or less heads from a 51 tosses of a coin using pbinom.
- 92)** X is the vector c(5,9.2,3,8.51,NA), What is the output of mean(x)?
- 93)** How do you convert the data in a JSON file to a data frame?
- 94)** Give a function in R that replaces all missing values of a vector x with the sum of elements of that vector?
- 95)** What is the use of apply() in R?
- 96)** Is an array a matrix or a matrix an array?
- 97)** How to find the help page on missing values?
- 98)** How do you get the standard deviation for a vector x?
- 99)** How do you set the path for current working directory in R?
- 100)** What is the difference between "%%" and "%/%"?
- 101)** What does col.max(x) do?
- 102)** Give the command to create a histogram.
- 103)** How do you remove a vector from the R workspace?
- 104)** List the data sets available in package "MASS"
- 105)** List the data sets available in all available packages.
- 106)** What is the use of the command - install.packages(file.choose(), repos=NULL)?
- 107)** Give the command to check if the element 15 is present in vector x.
- 108)** Give the syntax for creating scatterplot matrices.
- 109)** What is the difference between subset() function and sample() function in R?
- 110)** How do you check if "m" is a matrix data object in R?
- 111)** What is the output for the below expression all(NA==NA)?
- 112)** How to obtain the transpose of a matrix in R?
- 113)** What is the use of "next" statement in R?
- 114)** Which function in R language is used to find out whether the means of 2 groups are equal to each other or not?
- 115)** What is the best way to communicate the results of data analysis using R language?

- 116)** What are with () and BY () functions used for?
- 117)** dplyr package is used to speed up data frame management code. Which package can be integrated with dplyr for large fast tables?
- 118)** In base graphics system, which function is used to add elements to a plot?
- 119)** What are the different type of sorting algorithms available in R language?
- 120)** What is the command used to store R objects in a file?
- 121)** What is the best way to use Hadoop and R together for analysis?
- 122)** What will be the output of log (-5.8) when executed on R console?
- 123)** How is a Data object represented internally in R language?
- 124)** Which package in R supports the exploratory analysis of genomic data?
- 125)** What is the difference between data frame and a matrix in R?
- 126)** How can you add datasets in R?
- 127)** What are factor variable in R language?
- 128)** What is the memory limit in R?
- 129)** What are the data types in R on which binary operators can be applied?
- 130)** How do you create log linear models in R language
- 131)** What will be the class of the resulting vector if you concatenate a number and NA?
- 132)** What is meant by K-nearest neighbour?
- 133)** What will be the class of the resulting vector if you concatenate a number and a character?
- 134)** If you want to know all the values in c (1, 3, 5, 7, 10) that are not in c (1, 5, 10, 12, 14).
Which in-built function in R can be used to do this? Also, how this can be achieved without using the in-built function.
- 135)** How can you debug and test R programming code?
- 136)** What will be the class of the resulting vector if you concatenate a number and a logical?
- 137)** Write a function in R language to replace the missing value in a vector with the mean of that vector.
- 138)** What happens if the application object is not able to handle an event?
- 139)** Differentiate between seq (6) and seq_along (6)
- 140)** How do you write R commands?
- 141)** How can you verify if a given object "X" is a matrix data object?
- 142)** What do you understand by element recycling in R?
- 143)** How can you verify if a given object "X" is a matrix data object?
- 144)** How will you measure the probability of a binary response variable in R language?
- 145)** What is the use of sample and subset functions in R programming language?
- 146)** There is a function fn(a, b, c, d, e) a + b * c - d / e. Write the code to call fn on the vector c(1,2,3,4,5) such that the output is same as fn(1,2,3,4,5).
- 147)** How can you resample statistical tests in R language?
- 148)** What is the purpose of using Next statement in R language?
- 149)** How will you create scatterplot matrices in R language?
- 150)** How will you check if an element 25 is present in a vector?
- 151)** What is the difference between library() and require() functions in R language?
- 152)** What are the rules to define a variable name in R programming language?
- 153)** What do you understand by a workspace in R programming language?
- 154)** Which function helps you perform sorting in R language?
- 155)** How will you list all the data sets available in all R packages?
- 156)** Which function is used to create a histogram visualisation in R programming language?
- 157)** Write the syntax to set the path for current working directory in R environment.
- 158)** How will you drop variables using indices in a data frame
- 159)** What will be the output of runif (7)?
- 160)** What is the difference between rnorm and runif functions ?
- 161)** What will be the output on executing the following R programming code –

```
mat<-matrix(rep(c(TRUE,FALSE),8),nrow=4)
```

```
sum(mat)
```

- 162) How will you combine multiple different string like “Data”, “Science”, “in”, “R”, “Programming” as a single string “Data_Science_in_R_Programmming” ?
- 163) Write a function to extract the first name from the string “Mr. Tom White”.
- 164) Can you tell if the equation given below is linear or not?
- 165) What will be the output of the following R programming code?

```
var2<- c("I","Love,"ProjectPro")
```

```
var2
```

- 166) I have a string "contact@dezyre.com". Which string function can be used to split the string into two different strings “contact@dezyre” and “com”
- 167) What is R Base package?
- 168) How will you merge two dataframes in R programming language?
- 169) Explain the usage of which() function in R language
- 170) How will you convert a factor variable to numeric in R language ?
- 171) What is power analysis ?
- 172) Explain the usage of abline() function
- 173) What is the usage of lattice package in R ?
- 174) When is it appropriate to use the “next” statement in R?
- 175) How do you assign a variable in R?
- 176) What are the different data types/objects in R
- 177) How R commands are written?
- 178) What is the use of subset() and sample() function in R?
- 179) How you can produce co-relations and covariances?
- 180) Which method is used for exporting the data in R?
- 181) Which packages are used for exporting of data?
- 182) How impossible values are represented in R?
- 183) Which command is used for storing R object into a file?
- 184) Which command is used for restoring R object from a file?
- 185) What is the use of coin package in R?
- 186) What is the use of tapply?
- 187) What happens when the application object does not handle an event?
- 188) Explain app specific objects which store the app contents
- 189) Explain the purpose of using UIWindow object?
- 190) How to create axes in the graph?
- 191) Why vcd package is used?
- 192) What is iPlots?
- 193) What is the use of lattice package?

- 194)** What is fitdistr() function?
 - 195)** What is the use of sink() function?
 - 196)** On which type of data binary operators are worked?
 - 197)** What is the use of doBY package?
 - 198)** Define loglm() function
 - 199)** How to create scatterplot matrices?
 - 200)** What is the use of diagnostic plots?
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