

## REVISION TOUR – PART 1

1	State True or False: In Python, data type of 88 is same as the data type of 88.0
2	Which of the following expression in Python evaluates to True? (A) $2 > 3$ and $2 < 3$ (B) $3 > 1$ and $2$ (C) $3 > 1$ and $3 > 2$ (D) $3 > 1$ and $3 < 2$
3	What are the different execution modes in Python?
4	Solve the following expression: (A) <code>print(14%3**2*4)</code> (B) <code>print(16*5/4*2/5-8)</code> (C) <code>print(4+3*5/3-5%2)</code>
5	Which of the following is not a valid relational operator used with WHERE clause in SQL? (A) $>$ (B) $<=$ (C) $=>$ (D) $<>$
6	What is the difference between $=$ and $==$ in Python? Give an example of each.
7	What is the difference between $/$ and $//$ operator? Explain with example
8	Give an example of each of the following: (i) An expression using any one identity operator. (ii) An arithmetic expression which uses any one augmented assignment operator.
9	What is the value of the following expression? $3 + 3 \cdot 00$ , $3^{**}3 \cdot 0$ (A) $[6 \cdot 0, 27 \cdot 0]$ (B) $(6 \cdot 0, 9 \cdot 0)$ (C) $(6, 27)$ (D) $(6 \cdot 0, 27 \cdot 0)$
10	Explain ordered and unordered collection with example
11	Identify the statement from the following which will raise an error: (a) <code>print("A"*3)</code> (b) <code>print(5*3)</code> (c) <code>print("15" + 3)</code> (d) <code>print("15" + "13")</code>
12	Identify the invalid Python statement out of the following options: (A) <code>print("A", 10, end="**")</code> (B) <code>print("A", sep="**", 10)</code> (C) <code>print("A", 10, sep="**")</code> (D) <code>print("A"*10)</code>
13	Which of the following operators evaluates to <b>True</b> if the variable on either side of the operator points towards the same memory location and <b>False</b> otherwise? (A) <b>is</b> (B) <b>is not</b> (C) <b>and</b> (D) <b>or</b>



## REVISION TOUR – PART 2

1	<p>Identify the output of the following code snippet:</p> <pre>s="the Truth" print(s.capitalize())</pre> <p>(A) The truth    (B) THE TRUTH    (C) The Truth    (D) the Truth</p>
2	<pre>s="War and Peace by Leo Tolstoy" print(s.partition("by"))</pre> <p>(A) ('War and Peace ', 'by', ' Leo Tolstoy')</p> <p>(B) ['War and Peace ', 'by', ' Leo Tolstoy']</p> <p>(C) ('War and Peace ', ' Leo Tolstoy')</p> <p>(D) ['War and Peace ', ' Leo Tolstoy']</p>
3	<p>What will be the output of the following code snippet:</p> <pre>t=tuple('tuple') t2=t[2], t+=t2 print(t)</pre> <p>(A) ('tuple')</p> <p>(B) ('tuple', 'p')</p> <p>(C) ('t', 'u', 'p', 'l', 'e', 'p')</p> <p>(D) ('t', 'u', 'p', 'l', 'e')</p>
4	<p>Which of the following statement is true about dictionaries in Python?</p> <ol style="list-style-type: none"> <li>1. A dictionary is an example of sequence datatype.</li> <li>2. A dictionary cannot have two elements with same key.</li> <li>3. A dictionary cannot have two element with same value.</li> <li>4. The key and value of an element cannot be the same.</li> </ol>
5	<p>If L is a list of 6 elements, then which of the following statement will raise and exception?</p> <p>(A) L.pop(1)                      (B) L.pop(6)                      (C) L.insert(1,6)                      (D) L.insert(6,1)</p>
6	<p>True or False</p> <p>In Python, Logical errors can be handled using try..except..finally statement.</p>
7	<p>Asssertion: [1,2,3]+'123' is an invalid expression.</p> <p>Reason(R): IN Python, a list cannot be concatenated with string</p>
8	<p>Write a Python statement to perform the following tasks: (USE BUILT_IN FUNCTIONS/METHODS ONLY)</p> <ol style="list-style-type: none"> <li>(i) To create a new list L1 containing the elements of list L arranged in ascending order, without modifying list L.</li> <li>(ii) A statement to check whether the given character, ch is an alphabet or a number</li> </ol>
9	<p>Assume that D1 is a dictionary in Python,</p> <ol style="list-style-type: none"> <li>(i) (a) write a Python statement to check if the key, 'RNo' is present in D1 (b) Write a Python expression to check if any key D1 has a value 12</li> <li>(ii) (a) Write a single statement using BUILT_IN function to add the key:value pair 'RNo':12, if the key 'RNo' is not present in D1, However, if the key 'RNo' is present, the function should return its value. (b) Write a single statement to delete all the elements from D1.</li> </ol>
10	<p>What possible output(s) from the given options will NOT be displayed when the following code is executed? Also, mention, for how many iteration the for loop in the given code will run?</p> <pre>import random a=[1,2,3,4,5,6]</pre>







28	<p>Consider the following dictionaries, D and D1 :</p> <pre>D={"Suman": 40, "Raj":55, "Raman":60} D1={"Aditi":30, "Amit":90,"Raj":20}</pre> <p>(Answer using built-in Python functions only)</p> <p>(i) (a) Write a statement to display/return the value corresponding to the key "Raj" in the dictionary D.</p> <p style="text-align: center;"><b>OR</b></p> <p>(b) Write a statement to display the length of the dictionary D1.</p> <p>(ii) (a) Write a statement to append all the key-value pairs of the dictionary D to the dictionary D1.</p> <p style="text-align: center;"><b>OR</b></p> <p>(b) Write a statement to delete the item with the given key "Amit" from the dictionary D1.</p>
29	<p>What possible output from the given options is expected to be displayed when the following code is executed ?</p> <pre>import random Cards=["Heart", "Spade", "Club", "Diamond"] for i in range(2):     print(Cards[random.randint(1,i+2)],end="#")</pre> <p>(A) Spade#Diamond#                      (B) Spade#Heart#  (C) Diamond#Club#                        (D) Heart#Spade#</p>
30	<p>Write the output displayed on execution of the following Python code :</p> <pre>LS=["HIMALAYA", "NILGIRI", "ALASKA", "ALPS"] D={} for S in LS :     if len(S)%4 == 0:         D[S] = len(S) for K in D :     print(K,D[K], sep = "#")</pre>

## PROGRAM TO WRITE IN PRACTICAL COPY

1	WAP to enter any number and check it is Prime Number or not
2	WAP to enter any number and check number is perfect number, an Armstrong number or palindrome number
3	WAP to enter any string and count how many Alphabets, Digits, Symbols, Uppercase letter, Lower case letter, vowels present in the string
4	WAP to enter two numbers and find GCD and LCM
5	WAP to enter 10 numbers in list and find the highest values, lowest value present in the list <ul style="list-style-type: none"><li>• Use of sort() function not allowed</li></ul>