

# WORKSHEET

## PYTHON – REVISION TOUR

1	'Welcome' is _____ literals
2	\$ symbol can be used in naming an identifier (True/False)
3	Write any 2 data types available in Python
4	'Division by zero' is an example of _____ error.
5	<b>range(1,10)</b> will return values in the range of _____ to _____
6	<b>randint(1,10)</b> will return values in the range of _____ to _____
7	"Computer Science"[0:6] = _____ "Computer Science"[3:10] = _____ "Computer Science"[:-1] = _____ "Computer Science"[-8:] = _____
8	<b>Output of :</b> print("Ok"*4 + "Done")
9	<b>Output of :</b> print(print("Why?"))
10	Raj was working on application where he wanted to divide the two number (A and B) , he has written the expression as C = A/B, on execution he entered 30 and 7 and expected answer was 4 i.e. only integer part not in decimal, but the answer was 4.285 approx, help Raj to correct his expression and achieving the desired output. <b>Correct Expression :</b> _____
11	<b>Can you guess the output?</b> C = -11%4 print(C)
12	Write 2 advantages and disadvantages of Python programming language
13	<b>Identify the valid and Invalid identifiers names:</b> Emp-Code, bonus, While, SrNo. , for, #count, Emp1, 123Go, Bond007@
14	<b>Identify the type of literals for each:</b> (i) 123 (ii) 'Hello' (iii) 'Bye\nSee You' (iv) 'A' (v) 345.55 (vi) 10+4j (vii) 0x12
15	<b>What is the size of each string?</b> (i) 'Python' (ii) 'Learning@\nCS' (iii) '\table'
16	<b>Output of :</b> (i) True + True = (ii) 100 + False = (iii) -1 + True = (iv) bool(-1 + True) =

17	<b>Output of</b> (i) $2 * 7$ = _____ (ii) $2 ** 7$ = _____ (iii) $2 ** 2 ** 3$ = _____ (iv) $17 \% 20$ = _____ (v) $\text{not}(20 > 6)$ or $(19 > 7)$ and $(20 == 20)$ = _____
18	<b>Output of :</b> <pre>a,b,c = 20,40,60 b+=10 c+=b print(a,b,c)</pre>
19	Write a program to enter 2 number and find sum and product
20	Write a program to enter temperature in Fahrenheit and convert it in Celcius
21	Write a program to enter any money and find out number of denominations can be used to make that money. For e.g. if the money entered is 2560 Then output should be <pre>2000 = 1 500 = 1 200 = 0 100 = 0 50 = 1 20 = 0 10 = 1 5 = 0 2 = 0 1 = 0</pre> Hint : use % and // operator
22	<b>Consider a list:</b> <pre>MyFamily = ["Father","Mother","Brother","Sister","Jacky"]</pre> <ul style="list-style-type: none"> <li>✓ write statement to print "Brother"</li> <li>✓ write statement to print all items of list in reverse order</li> <li>✓ write statement to check "Sister" is in MyFamily or not</li> <li>✓ write statement to update "Jacky" with "Tiger"</li> <li>✓ write statement remove "Jacky" from MyFamily and also print it</li> <li>✓ write statement to add "Tommy" in MyFamily at the end</li> </ul>
23	<b>Consider a Tuple:</b> <pre>Record = (10,20,30,40)</pre> Raj wants to add new item 50 to tuple, and he has written expression as <pre>Record = Record + 50,</pre> but the statement is giving an error, Help Raj in writing correct expression. <b>Correct Expression :</b> _____
24	What is the difference between List and Tuple?
25	What is the difference between List and String?

26	What is ordered and unordered collection? Give example of each
27	<p>Consider a Dictionary</p> <pre>Employee = {'Empno':1,'Name':'Snehil','Salary':80000}</pre> <p>Write statements:</p> <ul style="list-style-type: none"> <li>(i) to print employee name</li> <li>(ii) to update the salary from 80000 to 90000</li> <li>(iii) to get all the values only from the dictionary</li> </ul>
28	<pre>Num = 100 Isok = False print(type(Num))    = _____ print(type(Isok))   = _____</pre>
29	<p><b>Name the Python Library module which need to be imported to invoke the following function:</b></p> <ul style="list-style-type: none"> <li>✓ floor()</li> <li>✓ randrange()</li> <li>✓ randint()</li> <li>✓ sin()</li> </ul>
30	<p><b>Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.</b></p> <pre>30=To for K in range(0,To)   IF k%4==0:     print (K*4)   Else:     print (K+3)</pre>
31	<p><b>Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code:</b></p> <pre>a=5 work=true b=hello c=a+b FOR i in range(10)   if i%7=0:     continue</pre>
32	<p>Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code:</p> <pre>for Name in [Ramesh, Suraj, Priya]   IF Name[0]='S':     print(Name)</pre>
33	<p><b>Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code:</b></p> <pre>a=b=10 c=a+b While c&lt;20:   print(c,END="*")   c+=10</pre>

34	<p><b>Choose the correct possible answer(s)</b></p> <pre>a = random.randint(1,5) b = random.randint(1,3) c = random.randint(2,6) print(a,b,c)</pre> <p>(i) 2 1 3      (ii) 4 4 4      (iii) 3 2 1      (iv) 5 3 5</p>
35	<p>What is type conversion in Python? What are different types of conversion? Illustrate with example.</p>
36	<p><b>Fill in the blanks to execute infinite loop:</b></p> <pre>While ____:     print("spinning")</pre>
37	<p>Write a program to enter any number and check it is divisible by 7 or not</p>
38	<p><b>Fill in the blanks to execute loop from 10 to 100 and 10 to 1</b></p> <p>(i)</p> <pre>for i in range(____):     print(i)</pre> <p>(ii)</p> <pre>for i in range(____):     print(i)</pre>
39	<p><b>What will be the output if entered number (n) is 10 and 11</b></p> <pre>i=2 while i&lt;n:     if i % 5==0:         break     print(i) else:     print("done")</pre>
40	<p><b>What will be the difference in output</b></p> <p>(i)</p> <pre>for i in range(1,10):     if i % 4 == 0:         break     print(i)</pre> <p>(ii)</p> <pre>for i in range(1,10):     if i % 4 == 0:         continue     print(i)</pre>
41	<p>What possible outputs(s) are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables FROM and TO.</p>

	<pre>import random AR=[20,30,40,50,60,70]; FROM=random.randint(1,3) TO=random.randint(2,4) for K in range(FROM,TO+1):     print (AR[K],end="#")</pre> <p>(i) 10#40#70#                      (ii) 30#40#50# (iii) 50#60#70#                      (iv) 40#50#70#</p>				
42	<p>What possible outputs(s) are expected to be displayed on screen at the time of execution of the program from the following code? Also specify the maximum values that can be assigned to each of the variables BEGIN and END.</p> <pre>import random PICKER=random.randint(0,3) COLORS=["BLUE","PINK","GREEN","RED"] for I in COLORS:     for J in range(1,PICKER):         print(I,end="")     print()</pre> <table border="1"> <tbody> <tr> <td>(i) BLUE PINK GREEN RED</td><td>(ii) BLUE BLUEPINK BLUEPINKGREEN BLUEPINKGREENRED</td></tr> <tr> <td>(iii) PINK PINKGREEN PINKGREENRED</td><td>(iv) BLUEBLUE PINKPINK GREENGREEN REDRED</td></tr> </tbody> </table>	(i) BLUE PINK GREEN RED	(ii) BLUE BLUEPINK BLUEPINKGREEN BLUEPINKGREENRED	(iii) PINK PINKGREEN PINKGREENRED	(iv) BLUEBLUE PINKPINK GREENGREEN REDRED
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(iii) PINK PINKGREEN PINKGREENRED	(iv) BLUEBLUE PINKPINK GREENGREEN REDRED				
43	<p><b>What are the correct ways to generate numbers from 0 to 20</b> range(20)      (ii) range(0,21)      (iii) range(21)      (iv) range(0,20)</p>				
44	<p><b>Which is the correct form of declaration of dictionary?</b> (i) Day={1:'monday',2:'tuesday',3:'wednesday'} (ii) Day=(1:'monday',2:'tuesday',3:'wednesday') (iii) Day=[1:'monday',2:'tuesday',3:'wednesday'] (iv) Day={1'monday',2'tuesday',3'wednesday'}</p>				
45	<p><b>Choose the correct declaration from the following code:</b> Info = ({'roll':[1,2,3],'name':['amit','sumit','rohit']}) List                      (ii) Dictionary      (iii) String      (iv) Tuple</p>				
46	<p><b>Which is the valid dictionary declaration?</b> i) d1={1:'January',2='February',3:'March'} ii) d2=(1:'January',2:'February',3:'March') iii) d3={1:'January',2:'February',3:'March'} iv) d4={1:January,2:February,3:March}</p>				
47	<p><b>What is/are not true about Python's Dictionary?</b> (i) Dictionaries are mutable (ii) Dictionary items can be accessed by their index position (iii) No two keys of dictionary can be same (iv) Dictionary keys must be of String data type</p>				
48	<pre>x="abAbcAba" for w in x:     if w=="a":</pre>				

	<pre>         print("*")     else:         print(w) </pre>
49	<p><b>Convert the following 'for' loop using 'while' loop</b></p> <pre> for k in range (10,20,5):     print(k) </pre>
50	<p><b>Give Output</b></p> <pre> colors=["violet", "indigo", "blue", "green", "yellow", "orange", "red"] del colors[4] colors.remove("blue") p=colors.pop(3) print(p, colors) </pre>
51	<p><b>Output of following code:</b></p> <pre> A=10 B=15 S=0 while A&lt;=B:     S = A + B     A = A + 10     B = B + 10     if A&gt;=40:         A = A + 100 print(S) </pre>
52	<p><b>Output of the following code:</b></p> <pre> X = 17 if X&gt;=17:     X+=10 else:     X-=10 print(X) </pre>
53	<p><b>How many times loop will execute:</b></p> <pre> P=5 Q=35 while P&lt;=Q:     P+=6 </pre>
54	<p><b>Find and write the output of the following python code:</b></p> <pre> Msg="CompuTer" Msg1='' for i in range(0, len(Msg)):     if Msg[i].isupper():         Msg1=Msg1+Msg[i].lower()     elif i%2==0:         Msg1=Msg1+'*'     else:         Msg1=Msg1+Msg[i].upper() print(Msg1) </pre>
55	<pre> A=10 B=10 print( A == B)           = _____ print(id(A) == id(B))    = _____ print(A is B)            = _____ </pre>