Introduction to Python

Index

1. Flow – Chart
2. How to Approach Problems?
3. What is Flowchart?
4. Add Two Numbers
5. Average of Three Numbers
6. Decision Making Algorithms
7. Largest of 3 Numbers
8. Check Number
9. Valid Triangle
10. Print numbers from 1 to N
11. Find Product
12. Print Even Numbers
13. Check Number is Prime?
14. Largest of N numbers
15. Introduction to Python
16. First program in Python
17. Python Installation
18. Output question
19. Variable in Python
20. Output Question
21. Output Question
22. Data Types
23. Python variable Name
24. Python Variables
25. Python Variable Types
26. Python Numbers
27. Check for Equality
28. Limit of Integers
29. Arithmetic Operators
30. Output Question
31. Output Question
32. Taking Inputs
33. Output question
34. Output Question
35. Output Question
36. Find Average Marks
37. Conditionals and Loops
38. Boolean Datatype
39. Introduction to If Else
40. Predict the Output
41. Predict the Output
42. Figure out the output
43. Multiple Ifs
44. Using Relational and Logical Operators
45. Using Else If
46. Check Number
47. Nested Conditionals
48. Conditional Question
49. Conditional Question
50. While Loop
51. Sum of n Numbers
52. Sum of Even Numbers
53. Primality Checking
54. Predict the output
55. Predict the output
56. Predict the output
57. Nested Loops
58. Fahrenheit to Celsius
59. Patterns 1
60. Introduction to Patterns
61. First Patterns
62. Code : Square Pattern
63. Square Patterns
64. Triangle Patterns
65. Code : Triangular Star Pattern
66. Code : Triangular Number Pattern
67. Code : Reverse Number Pattern
68. Character Patterns
69. Code : Character Pattern
70. Code : Interesting Alphabets

1. Patterns 2
2. Inverted Triangle
3. Code : Inverted Number Pattern
4. Reversed Pattern
5. Code : Mirror Number Pattern
6. Isosceles Pattern
7. Code : Star Pattern
8. Code : Triangle of Numbers
9. Code : Diamond of Stars
10. More on Loops
11. For Loop & Range Method
12. Predict the output
13. Predict the output
14. Print multiples of 3
15. Check if a Number is Prime
16. Pattern
17. Break Keyword
18. Predict the output
19. Predict the output
20. Else keywords with Loops
21. Predict the output
22. Predict the output
23. Continue Keyword
24. Predict the output
25. Predict the output
26. Pass Statements
27. Functions
28. Functions and how to use them
29. Why do we need functions
30. Few Examples
31. Predict the output
32. Predict the output
33. How does function calling works
34. Scope of Variables
35. Predict the output
36. Predict the output
37. Predict the output
38. Default Parameters in Functions
39. Predict the output
40. Predict the output
41. Predict the output
42. Arrays & Lists
43. Introduction to Lists
44. Operation on Lists
45. Predict the output
46. Predict the output
47. Predict the output
48. How Elements are stored in List
49. Resizing of List
50. Looping on Lists
51. Predict the output
52. Array Sum
53. Negative Indexing and Sequence Indexing
54. Line Separated Input of List
55. Predict the output
56. Space Separated Input of List
57. Predict the output
58. Linear Search
59. Linear Search through Functions
60. Mutable and Immutable Concept
61. Passing Variable Through Functions
62. Passing list through Functions
63. Predict the output
64. Predict the output
65. Reverse List
66. Swap Alternate
67. Searching & Sorting
68. Binary Search Explain
69. Code Binary Search
70. Binary Search Code
71. Selection Sort Explain
72. Selection Sort Code
73. Bubble Sort Explain
74. Code Bubble Sort
75. Bubble Sort Code
76. Insertion Sort Explain
77. Code Insertion Code
78. Insertion Sort Code
79. Merge Two Sorted Arrays Explain
80. Code Merge Two Sorted Arrays
81. Merge Two Sorted Arrays Code
82. Strings
83. Introduction to Strings
84. Predict the output
85. How String are Stored?
86. Predict the output
87. Predict the output
88. Concatenation of Strings
89. Predict the output
90. Predict the output
91. Slicing of Strings
92. Predict the output
93. Predict the output
94. Iterating on Strings
95. Comparison Operator on Strings
96. Check Palindrome
97. Predict the output
98. Predict the output
99. Predict the output
100. Operations on String
101. Replace Character in String
102. Count Vowels, Consonants, Digits in String
103. Two Dimensional Lists
104. Intro To Two Dimensional Lists
105. How Two Dimensional Lists are Stored
106. Predict the output
107. Predict the output
108. Jagged Lists
109. Predict the output
110. Predict the output
111. List Comprehension
112. Predict the output
113. Predict the output
114. Predict the output
115. Input of Two Dimensional Lists
116. Input of Two Dimensional Lists – 2
117. Printing Two Dimensional Lists
118. Row Wise Sum
119. Largest Column Sum in Two Dimensional Lists
120. Predict the output
121. Largest Row or Column
122. Wave Print
123. Spiral Print
124. Tuples, Dictionary and Sets
125. Tuples
126. Predict the output
127. Predict the output
128. Tuples Functions
129. Predict the output
130. Predict the output
131. Predict the output
132. Variable length input and output
133. Predict the output
134. Predict the output
135. Dictionary Intro
136. Access/looping elements in dictionary
137. Predict the output
138. Predict the output
139. Predict the output
140. Adding and Removing Data in Dictionary
141. Predict the output
142. Predict the output
143. Print all words with Frequency K
144. Sets Intro
145. Functions in Sets
146. Predict the output
147. Sum of all Unique Numbers in List
148. Predict the output