Beginner-level Programming Question for Python

0. Main project concept
1. WAP to print Hello World using Python
2.
3.
4.
5.
6.
7. WAP to add two numbers in python - Done
8. WAP to add two numbers in Python but take the value from the user. - Done
9. WAP to Subtract two numbers in python - Done
10. WAP to Subtract two numbers in Python but take the value from the user. - Done
11. WAP to Multiply two numbers in python - Done
12. WAP to Multiply two numbers in Python but take the value from the user. - Done
13. WAP to Divide two numbers in python - Done
14. WAP to Divide two numbers in Python but take the value from the user. Done
15. WAP to Average of five numbers in python - Done
16. WAP to Average of five numbers in Python but take the value from the user. Done
17. WAP to find the square root of a number using python - Done
18. WAP to find the area of the circle in python - Done
19. WAP to find the area of the triangle in python - Done
20. WAP to find the area of the rectangle in python
21. WAP to convert Kilometers to Miles in python
22. WAP to convert Miles to Kilometers in python
23. WAP to print the square of a number in python
24. WAP to swap two numbers in python
25. WAP to swap two numbers without using third variable
26. WAP to find simple interest in Python
27. WAP to find compound interest in Python
28. WAP to find the enter number is even or odd in Python
29. WAP to find the enter number is divisible by 3 or not in Python
30. WAP to find the greater number between 2 number in Python
31. WAP to find the smaller number between 2 number in Python
32. WAP to find greatest number between 3 number in Python
33. WAP to find the smallest number between 3 number in Python
34. WAP to show navratri color according to number choose in Python
35. WAP to convert celsius to Fahrenheit in Python
36. WAP to convert Fahrenheit to celsius in Python
37. WAP to reverse a word in Python
38. WAP to find the sum of digits in Python
39. WAP to find the percentage you secure in exam in Python
40. WAP to display the grade after enter the percentage in Python
41. WAP to check the entered number is Armstrong number or not in Python

42. WAP to find the enter year is Leap Year or not in Python
43. Python Program for factorial of a number
44. Write a program to reverse an integer in Python
45. Write a program in Python to check whether an integer is an Armstrong number or not.
46. Write a program in Python to check if a given number is prime or not.
47. Write a program in Python to print the Fibonacci series using an iterative method.
48. Write a program in Python to print the fibonacci series using a recursive method.
49. Write a program in Python to check whether a number is palindrome or not using an iterative method.
50. Write a program in Python to check whether a number is palindrome or not using a recursive method.
51. Write a program in Python to find the greatest among three integers.
52. Write a program in Python to check if a number is binary?
53. Write a program in Python to find the sum of digits of a number using recursion?
54. Write a program in Python to swap two numbers without using a third variable?
55. Write a program in Python to swap two numbers using a third variable?
56. Write a program in Python to find prime factors of a given integer.
57. Write a program in Python to add two integers without using arithmetic operators?
58. Write a program in Python to find if a given number is perfect or not?
59. Python Program to find the Average of numbers with explanations.
60. Python Program to calculate factorial using iterative method.
61. Python Program to calculate factorial using recursion.
62. Python Program to check if a given number is even or odd.
63. Python program to print first n Prime Number with explanation.
64. Python Program to print Prime Number in a given range
65. Python Program to find Smallest number among three.
66. Python program to calculate the power using the POW method.
67. Python Program to calculate the power without using POW function.(using for loop)
68. Python Program to calculate the power without using POW function.(using while loop).
69. Python Program to calculate the square of a given number.
70. Python Program to calculate the cube of a given number
71. Python Program to calculate the square root of a given number.
72. Python program to calculate LCM of given two numbers.
73. Python Program to find GCD or HCF of two numbers.
74. Python Program to find GCD of two numbers using recursion.
75. Python Program to Convert Decimal Number into Binary.
76. Python Program to convert Decimal number to Octal number.
77. Python Program to check if the given year is a leap year or not.
78. Python Program to convert Celsius to Fahrenheit.
79. Python Program to convert Fahrenheit to Celsius.
80. Python program to calculate Simple Interest with explanation.
81. Python program to remove given character from String.
82. Python Program to count occurrences of a given character in string.
83. Python Program to check if two Strings are Anagram.

84. Python program to check if a String is palindrome or not.
85. Python program to check if a given character is a vowel or consonant.
86. Python program to check if a given character is digit or not.
87. Python program to check if a given character is digit or not using isdigit() method.
88. Python program to replace the string space with a given character.
89. Python program to replace the string space with a given character using replace() method.
90. Python program to convert lowercase char to uppercase of string.
91. Python program to convert lowercase vowels to uppercase in string.
92. Python program to delete vowels in a given string.
93. Python program to count Occurrence Of Vowels & Consonants in a String.
94. Python program to print the highest frequency character in a String.
95. Python program to Replace First Occurrence Of Vowel With '-' in String.
96. Python program to count alphabets, digits and special characters.
97. Python program to separate characters in a given string.
98. Python program to remove blank space from string.
99. Python program to concatenate two strings using join() method.
100. Python program to concatenate two strings using join() method.
101. Python program to remove repeated characters from string.
102. Python program to calculate sum of integers in string.
103. Python program to print all non repeating characters in string.
104. Python program to copy one string to another string.
105. Python Program to sort characters of string in ascending order.
106. Python Program to sort character of string in descending order.
107. Write a program in Python for, In array 1-100 numbers are stored, one number is missing how do you find it.
108. Write a program in Python for, In an array 1-100 multiple numbers are duplicates, how do you find it.
109. Write a program in Python for, How to find all pairs in an array of integers whose sum is equal to a given number.
110. Write a program in Python for, How to compare two arrays equal in size or not.
111. Write a program in Python to find the largest and smallest number in an array.
112. Write a program in Python to find the second highest number in an integer array.
113. Write a program in Python to find the top two maximum numbers in an array?
114. Write a program in Python to remove duplicate elements from array.
115. Python program to find the top two maximum numbers in an array.
116. Python program to print arrays in reverse Order.
117. Python program to reverse an Array in two ways.
118. Python Program to calculate length of an array.
119. Python program to insert an element at the end of an Array.
120. Python program to insert elements at a given location in Array.
121. Python Program to delete elements at end of Array.
122. Python Program to delete given element from Array.
123. Python Program to delete element from array at given index.

124. Python Program to find sum of array elements.
125. Python Program to print all even numbers in array.
126. Python Program to print all odd numbers in array.
127. Python program to perform left rotation of array elements by two positions.
128. Python program to perform right rotation in array by 2 positions.
129. Python Program to merge two arrays.
130. Python Program to find highest frequency element in array.
131. Python Program to add two number using recursion.
132. Python Program to find sum of digit of number using recursion.
133. Python Program to Create and Traverse Singly linked list.
134. Python program to insert a node in linked list.
135. Write a program in Python to reverse a singly linked list.
136. Python Program to search an element in singly linked list.
137. Linked list Deletion in Python: At beginning, End, Given location
138. Write a program in Python to find 3rd element of Linked List from last in single pass.
139. Write a program in Python to find middle element of a linked list in single pass.
140.
141. Python program to print all Prime numbers in an Interval
142. Python program to check whether a number is Prime or not
143. Python Program for n-th Fibonacci number
144. Python Program for How to check if a given number is Fibonacci number?
145. Python Program for n\'th multiple of a number in Fibonacci Series
146. Program to print ASCII Value of a character
147. Python Program for Sum of squares of first n natural numbers
148. Python Program for cube sum of first n natural numbers
149. Python Program to find sum of array
150. Python Program to find largest element in an array
151. Python Program for array rotation
152. Python Program for Reversal algorithm for array rotation
153. Python Program to Split the array and add the first part to the end
154. Python Program for Find remainder of array multiplication divided by n
155. Python Program to check if given array is Monotonic
156. Python program to interchange first and last elements in a list
157. Python program to swap two elements in a list
158. Python | Ways to find length of list
159. Python | Ways to check if element exists in list
160. Different ways to clear a list in Python
161. Python | Reversing a List
162. Python program to find sum of elements in list
163. Python | Multiply all numbers in the list
164. Python program to find smallest number in a list
165. Python program to find largest number in a list
166. Python program to find second largest number in a list
167. Python program to find N largest elements from a list

168. Python program to print even numbers in a list
169. Python program to print odd numbers in a List
170. Python program to print all even numbers in a range
171. Python program to print all odd numbers in a range
172. Python program to print positive numbers in a list
173. Python program to print negative numbers in a list
174. Python program to print all positive numbers in a range
175. Python program to print all negative numbers in a range
176. Remove multiple elements from a list in Python
177. Python – Remove empty List from List
178. Python | Cloning or Copying a list
179. Python | Count occurrences of an element in a list
180. Python | Remove empty tuples from a list
181. Python | Program to print duplicates from a list of integers
182. Python program to find Cumulative sum of a list
183. Python | Sum of number digits in List
184. Break a list into chunks of size N in Python
185. Python | Sort the values of first list using second list
186. Python program to add two Matrices
187. Python program to multiply two matrices
188. Python program for Matrix Product
189. Adding and Subtracting Matrices in Python
190. Transpose a matrix in Single line in Python
191. Python | Matrix creation of n*n
192. Python | Get Kth Column of Matrix
193. Python – Vertical Concatenation in Matrix
194. Python program to check if a string is palindrome or not
195. Python program to check whether the string is Symmetrical or Palindrome
196. Reverse words in a given String in Python
197. Ways to remove i'th character from string in Python
198. Python | Check if a Substring is Present in a Given String
199. Python – Words Frequency in String Shorthands
200. Python – Convert Snake case to Pascal case
201. Find length of a string in python (4 ways)
202. Python program to print even length words in a string
203. Python program to accept the strings which contains all vowels
204. Python | Count the Number of matching characters in a pair of string
205. Remove all duplicates from a given string in Python
206. Python – Least Frequent Character in String
207. Python | Maximum frequency character in String
208. Python | Program to check if a string contains any special character
209. Generating random strings until a given string is generated
210. Find words which are greater than given length k
211. Python program for removing i-th character from a string

212. Python program to split and join a string
213. Python | Check if a given string is binary string or not
214. Python program to find uncommon words from two Strings
215. Python – Replace duplicate Occurrence in String
216. Python – Replace multiple words with K
217. Python | Permutation of a given string using inbuilt function
218. Python | Check for URL in a String
219. Execute a String of Code in Python
220. String slicing in Python to rotate a string
221. String slicing in Python to check if a string can become empty by recursive deletion
222. Python Counter| Find all duplicate characters in string
223. Python – Replace all occurrences of a substring in a string
224. Python – Extract Unique values dictionary values
225. Python program to find the sum of all items in a dictionary
226. Python | Ways to remove a key from dictionary
227. Ways to sort list of dictionaries by values in Python – Using itemgetter
228. Ways to sort list of dictionaries by values in Python – Using lambda function
229. Python | Merging two Dictionaries
230. Python – Convert key-values list to flat dictionary
231. Python – Insertion at the beginning in OrderedDict
232. Python | Check order of character in string using OrderedDict( )
233. Dictionary and counter in Python to find winner of election
234. Python – Append Dictionary Keys and Values (In order) in dictionary
235. Python | Sort Python Dictionaries by Key or Value
236. Python – Sort Dictionary key and values List
237. Handling missing keys in Python dictionaries
238. Python dictionary with keys having multiple inputs
239. Print anagrams together in Python using List and Dictionary
240. K'th Non-repeating Character in Python using List Comprehension and OrderedDict
241. Check if binary representations of two numbers are anagram
242. Python Counter to find the size of largest subset of anagram words
243. Python | Remove all duplicates words from a given sentence
244. Python Dictionary to find mirror characters in a string
245. Counting the frequencies in a list using dictionary in Python
246. Python | Convert a list of Tuples into Dictionary
247. Python counter and dictionary intersection example (Make a string using deletion and rearrangement)
248. Python dictionary, set and counter to check if frequencies can become same
249. Scraping And Finding Ordered Words In A Dictionary using Python
250. Possible Words using given characters in Python
251. Python – Keys associated with Values in Dictionary
252. Python program to Find the size of a Tuple
253. Python – Maximum and Minimum K elements in Tuple
254. Create a list of tuples from given list having number and its cube in each tuple

255. Python – Adding Tuple to List and vice – versa
256. Python – Closest Pair to Kth index element in Tuple
257. Python – Join Tuples if similar initial element
258. Python – Extract digits from Tuple list
259. Python – All pair combinations of 2 tuples
260. Python – Remove Tuples of Length K
261. Sort a list of tuples by second Item
262. Python program to Order Tuples using external List
263. Python – Flatten tuple of List to tuple
264. Python – Convert Nested Tuple to Custom Key Dictionary
265. Python Program for Binary Search (Recursive and Iterative)
266. Python Program for Linear Search
267. Python Program for Insertion Sort
268. Python Program for Recursive Insertion Sort
269. Python Program for QuickSort
270. Python Program for Iterative Quick Sort
271. Python Program for Selection Sort
272. Python Program for Bubble Sort
273. Python Program for Merge Sort
274. Python Program for Iterative Merge Sort
275. Python Program for Heap Sort
276. Python Program for Counting Sort
277. Python Program for ShellSort
278. Python Program for Topological Sorting
279. Python Program for Radix Sort
280. Python Program for Binary Insertion Sort
281. Python Program for Bitonic Sort
282. Python Program for Comb Sort
283. Python Program for Pigeonhole Sort
284. Python Program for Cocktail Sort
285. Python Program for Gnome Sort
286. Python Program for Odd-Even Sort / Brick Sort
287. Python Program for BogoSort or Permutation Sort
288. Python Program for Cycle Sort
289. Python Program for Stooge Sort
290. Python Program to print the pattern ‘G’
291. Python Program to print an Inverted Star Pattern
292. Python Program to print double sided stair-case pattern
293. Python Program to print with your own font
294. Python program to get Current Time
295. Get Current Date and Time using Python
296. Python | Find yesterday’s, today’s and tomorrow’s date
297. Python program to convert time from 12 hour to 24 hour format
298. Python program to find difference between current time and given time

299. Python Program to Create a Lap Timer
300. Convert date string to timestamp in Python
301. How to convert timestamp string to datetime object in Python?
302. Find number of times every day occurs in a Year
303. Python Program to Check if String Contain Only Defined Characters using Regex
304. Python program to Count Uppercase, Lowercase, special character and numeric values using Regex
305. Python Program to find the most occurring number in a string using Regex
306. Python Regex to extract maximum numeric value from a string
307. Python Program to put spaces between words starting with capital letters using Regex
308. Python – Check whether a string starts and ends with the same character or not
309. Python regex to find sequences of one upper case letter followed by lower case letters
310. Python Program to Remove duplicate words from Sentence
311. Python | Remove all characters except letters and numbers
312. Python Regex | Program to accept string ending with alphanumeric character
313. Python Regex – Program to accept string starting with vowel
314. Python Program to check if a string starts with a substring using regex
315. Python Program to Check if an URL is valid or not using Regular Expression
316. Parsing and Processing URL using Python – Regex
317. Python Program to validate an IP address using ReGex
318. Python Program to Check if email address valid or not
319. Python program to find files having a particular extension using RegEx
320. Python program to extract IP address from file
321. Python program to check the validity of a Password
322. Categorize Password as Strong or Weak using Regex in Python
323. Python program to read file word by word
324. Python program to read character by character from a file
325. Python – Get number of characters, words, spaces and lines in a file
326. Python program to Count the Number of occurrences of a key-value pair in a text file
327. Python | Finding ‘n’ Character Words in a Text File
328. Python Program to obtain the line number in which given word is present
329. Count number of lines in a text file in Python
330. Python Program to remove lines starting with any prefix
331. Python Program to Eliminate repeated lines from a file
332. Python Program to read List of Dictionaries from File
333. Python – Append content of one text file to another
334. Python program to copy odd lines of one file to other
335. Python Program to merge two files into a third file
336. Python program to Reverse a single line of a text file
337. Python program to reverse the content of a file and store it in another file
338. Python Program to Reverse the Content of a File using Stack
339. Python Program to Reverse a linked list

340. Python Program for Find largest prime factor of a number
341. Python Program for Efficient program to print all prime factors of a given number
342. Python Program for Product of unique prime factors of a number
343. Python Program for Find sum of odd factors of a number
344. Python Program for Coin Change
345. Python Program for Tower of Hanoi
346. Python Program for Sieve of Eratosthenes
347. Python Program to Check if binary representation is palindrome
348. Python Program for Basic Euclidean algorithms
349. Python Program for Extended Euclidean algorithms
350. Python Program for Maximum height when coins are arranged in a triangle
351. Python Program for Find minimum sum of factors of number
352. Python Program for Difference between sums of odd and even digits
353. Python Program for Program to Print Matrix in Z form
354. Python Program for Smallest K digit number divisible by X
355. Python Program for Print Number series without using any loop
356. Python Program for Number of stopping station problem
357. Check if a triangle of positive area is possible with the given angles
358. Python program to find the most occurring character and its count
359. Python Program for Find sum of even factors of a number
360. Python Program for Check if all digits of a number divide it
361. Check whether a number has consecutive 0’s in the given base or not
362. Python Program for Number of solutions to Modular Equations
363. Python Program for Legendre\’s Conjecture
364.