1. Create a function that takes the number of wins, draws and losses and calculates the number of points obtained so far for 'n' number of football teams . Print the winner team in the end . wins get +3 points, draws get +1 point, losses get -1 points . I/p: Team1(3, 4, 2) ## calculation : 3**3 +4**1 + 2(-1) = 11 Team2(5, 0, 2) ## calculation : 5**3 + 0**1 + 2(-1) = 13 Team3(0, 0, 1) ## calculation : 0**3 + 0**1 + 1(-1) = -1 O/p: Winner: Team2
2. dct = {111: "Eric", 112: "Kyle", 113: "Butters"} Load the above dictionary variable in a file 'test.txt' . Now create a new dictionary variable (eg. dct2) and load the contents of the file 'test.txt' in it. Print the value of key '112' using the new dictionary variable . Note : Use pickling for solving this question. O/p : Kyle

20.Use a nested list comprehension to find all of the numbers from 1-1000 that are divisible by any single digit besides 1 (2-9)

1. Print the following pattern :
2. Write a Python class Restaurant with attributes like menu\_items, book\_table, and customer\_orders, and methods like add\_item\_to\_menu, book\_tables, and customer\_order. Perform the following tasks now: - Now add items to the menu. - Make table reservations. - Take customer orders. - Print the menu. - Print table reservations. - Print customer orders. Note : Use dictionaries and lists to store the data.
3. Write a function that employs regular expressions to ensure the password given to the function is strong. A strong password is defined as follows: -at least eight characters long -contains one uppercase character -contains one lowercase character -has at least one digit -has at least one special character
4. Check sum of 2 numbers from given list which matches target value and returns the indexes of those numbers in the form of list. l1 = [ 7,8,2,3,6,9,2,8] Target = 14 O/p should be: [1,4] Note : We should not be using more than 1 loop.
5. For any function, find out the arguments passed in the function using in-built python module and also explore on all other possible values we can get using the same python module. eg. def test(x1, x2, x3=10): pass Using the in-built python module, find all the arguments passed in the test function.
6. Open the site “[carwale.com](http://carwale.com" \t "_blank)” , search “Tata Nexon” and go to version tab. Print the version name and its price. Note: You can use selenium for solving this question.
7. Open flipkart site and search for "mobile phones". Filter with brand name as "samsung" and "Flipkart assured" tag. In the list obtained, print the name and price of the 2nd mobile phone . Note : You can use selenium for solving this question.

30. Create below 3 functions : - function 1 calculates sqrt - function 2 calculates cube - function 3 calculates square Pass 50,00,000 as an integer argument which is going to be used as a range of integers. Call above 3 functions in parallel using below 3 ways : 1) Using multiprocessing 2) Using threading.thread 3) Using threadpoolexecutor Calculate the total time taken in each of these 3 ways . Share your observations/insights on the results obtained.