

Assignment-30: set

1. Write a python script to print all distinct element of a list. Use set to solve the problem.
2. Create two sets from a given set of numbers to separate even and odd numbers.
3. Given a set of five player names. Write a Python script to form all possible pairs of players that is selecting two players at a time.
4. You have a list of names of candidates, some of them are wearing black hat, some of them are wearing red shoes and some of them are wearing both. Now you have given a list of names of candidates wearing black hat. There is another list of names of candidates wearing red shoes. Write a python script to find out the names of the candidates wearing black hat and red shoes.
5. Write a python script to create a set of tuples, where each tuple has two elements representing dice upper face number. Take a number N from the user and generate all possible tuples, in such a way that tuple elements sums to N .

Assignment-29: tuple

1. Write a python script to create a tuple from a given list.
2. Write a python script to reverse a tuple.
3. Write a python script to create a list of tuples from a given list of strings, where each tuple is a collection of strings begin with the same character.
4. Write a python script to create a list of tuples, where each tuple is a pair of elements, first element is uppercase character and second element is its unicode.
5. Write a python script to find the sum of all odd numbers stored in a tuple.

Assignment-31: dict

1. Create a dict object where first N natural numbers are keys and their squares are data values.
2. Sort a dictionary by its keys in descending order.
3. Write a python script to create a dictionary where key values are cricket player names and data-values are tuple of 4 elements -matches played, total runs, half centuries and centuries. All data should be taken from user.
4. Write a python script to find maximum size batch code from a dictionary where key-values in the dictionary are batch codes and data-values are size of the batch.
5. Write a python script to create a dict object from a list of city names in such a way the alphabets are keys of the dictionary and list of city names starting from that alphabet will be its data value.