

1. Write a program to demonstrate different number types in Python
2. Write a program to perform different arithmetic operations on numbers
3. Write a program to create, concatenate and print a string and accessing sub-string from a given string
4. Write a python script to print the current date in the following format – “Sun Jan 15 18:30:30 IST 2023”
5. Write a program to create, append and remove elements from the list
6. Write a program to demonstrate working with Tuples – All operations possible with Tuple
7. Write a program to demonstrate working with Dictionary – All operations possible with Dictionary
8. Write a Python program to convert a string to a list.
9. Write a Python program to remove words from a given list of strings containing a character or string.

Original list:

```
list1: ['Red color', 'Orange#', 'Green', 'Orange @', 'White']
```

Character list:

```
['#', 'color', '@']
```

New list:

```
['Red', '', 'Green', 'Orange', 'White']
```

10. Write a Python program to check whether an alphabet is a vowel or consonant

Expected Output:

Input a letter of the alphabet: k

k is a consonant.

11. Concat two components in Python, take two user input and concat the two elements using 7 in between
12. Taking the output from the above question, separate the string into two separate elements
13. Create a list having 10 elements, use user input to build the list.
 - Output 2nd element to 8th element
 - Output all even elements
 - Output all odd elements
 - Output reverse of the list
14. Create a dictionary with any 5 states of India, States as Key and top 5 city as values

15. Use Output from 14, to add a new state key along with cities associated with it
16. Create a list using first 5 Alphabets (A,B,C,D,E); repeat the each elements 5 times. Do not create 2D list
17. Using the output from 16, remove duplicates from the list
18. What is 2D list? Demonstrate with a example