



FYBCA – (SEM –2)

204-Programming Skills(Regular & Cyber) Journal Programs

1. Write a C program that create 3X3 matrix and replace last element of each row with sum of that row Elements.
2. Create Structure called vehicle with field v_id, v_number, city, read details of 10 vehicles and display The vehicles the vehicles of “vadodra” city.
3. Write C program that will accept sentence from user and reverse individual word of it.
Eg: Hello Bye sir
O/p
Ris eyb olleh
4. Create a tuple with different data types and access elements:
Create a tuple data = (10, "hello", 3.14, True) Access the second element and print it.
Access the fourth element and print it.
5. Create a dictionary and access its values:
 - a. Create a dictionary student = {"name": "John", "age": 21, "grade": "A"}
 - b. Access the value associated with the key "name" and print it.
 - c. Access the value associated with the key "grade" and print it
6. Create list and perform append, pop, and slice operation.
7. Create a dictionary that contains another dictionary as a value. Access the nested dictionary value.
8. Write a program to find the number of key-value pairs in a dictionary.
9. Write a Python program to find the largest number in a NumPy array
10. Write a Python program to find the mean, median, and mode of a numerical column in a DataFrame.
11. Write a Python program to calculate the sum of digits of a number.
12. Write a Python program that calculates the factorial of a given number using recursion.

Note:

- a. Lab journals are to be submitted in journal files only.
- b. Index with proper page number is mandatory.
- c. Journal submission date will be declared during lectures.

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