

DA-2

- Write a Python to find nCr and nPr from the values of n and r .
- Obtain an integer number (containing any number of digits) from the user and print it in the reverse order and check if the number is an Armstrong number or not.
- Sort the given numbers in list-1 and list-2 and combine the sorted lists. Use suitable and efficient logic to sort the combined list.
- Get the input data from the user and form 3×3 matrix $[A]$. Find the inverse of the matrix $[A]$ and prove $[A][A^{-1}] = [I]$.
- Use Dictionary to store the student's information (name, roll number, marks-CAT, quiz, DA, FAT for five subjects) and obtain the grade of the student.