SIMATS ENGINEERING Engineer to Excel

SAVEETHA INSTITUTE OF MEDICAL AND TECHNICAL SCIENCES

CHENNAI-602105

CSA08 – PYTHON PROGRAMMING

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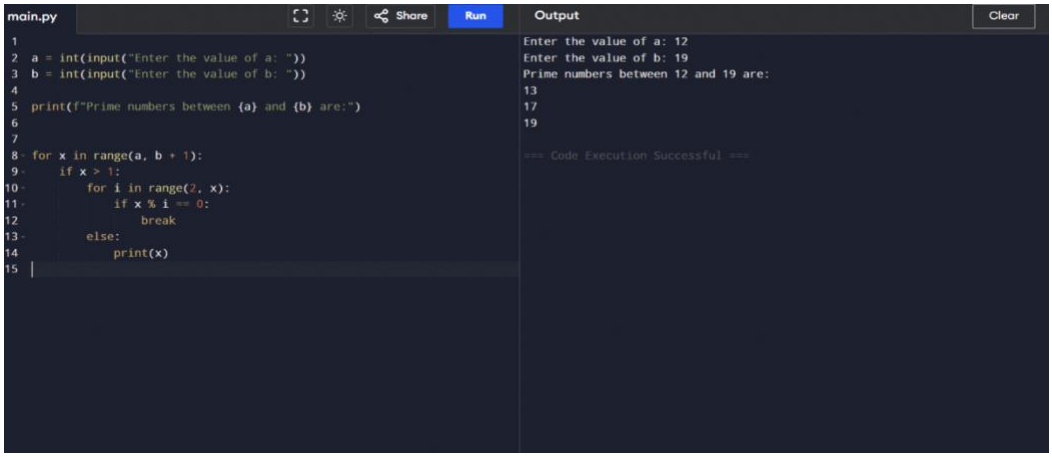
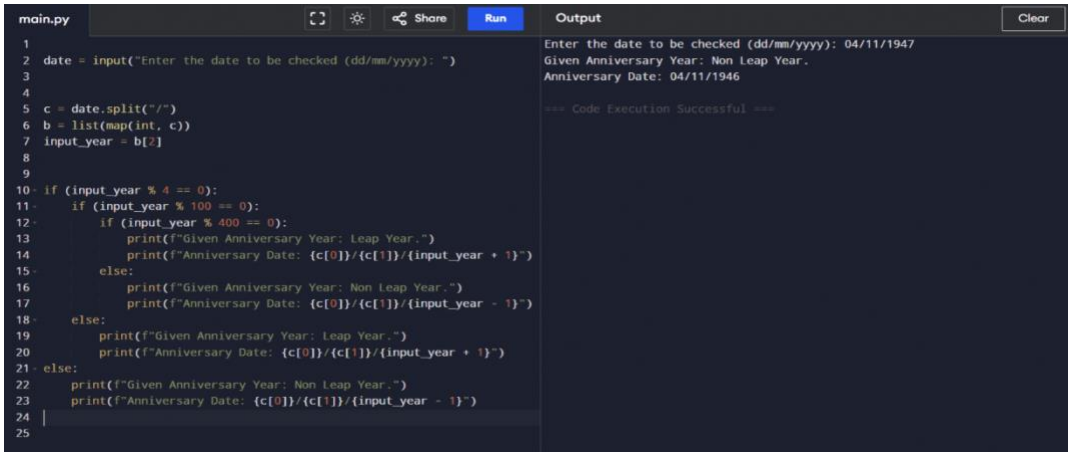
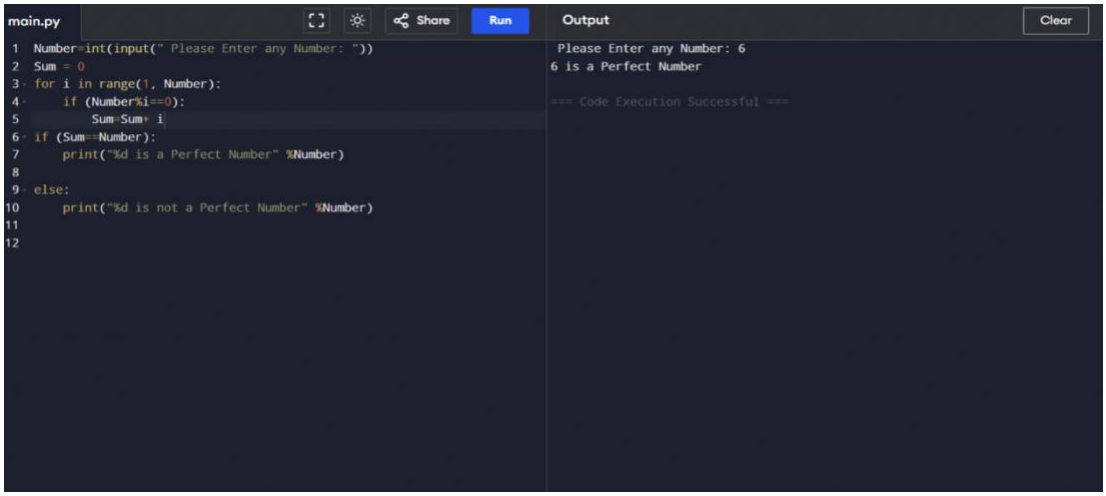
1. Write a program to print all the Non-Prime numbers between A and B ?



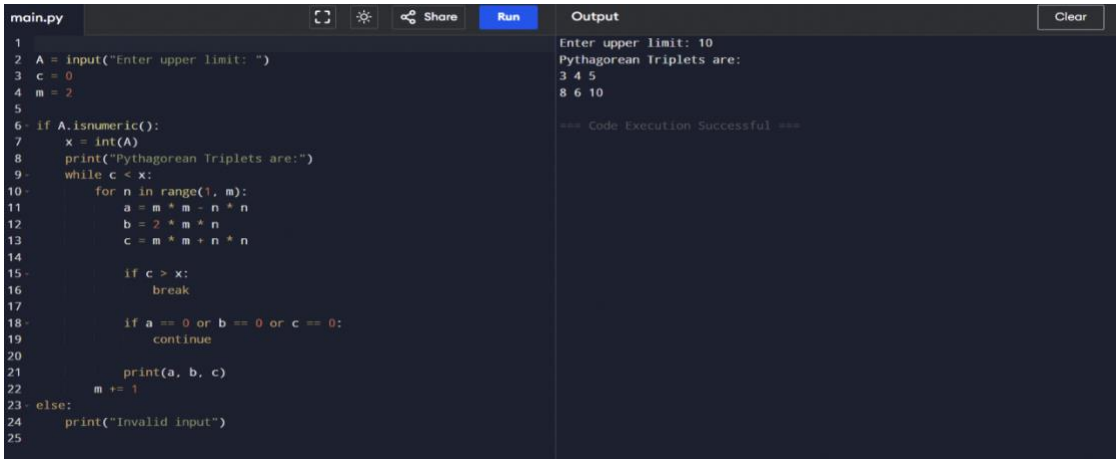
2 Find the year of the given Anniversary is leap year or not. If leap year then print the next Anniversary, if not leap year then print the previous Anniversary.



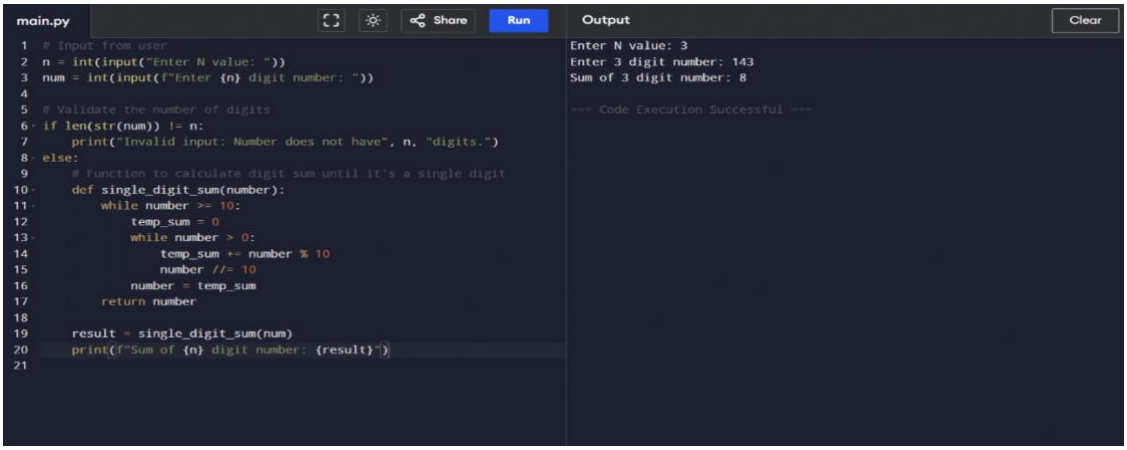
3.Write a program to print the given number is Perfect number or not?



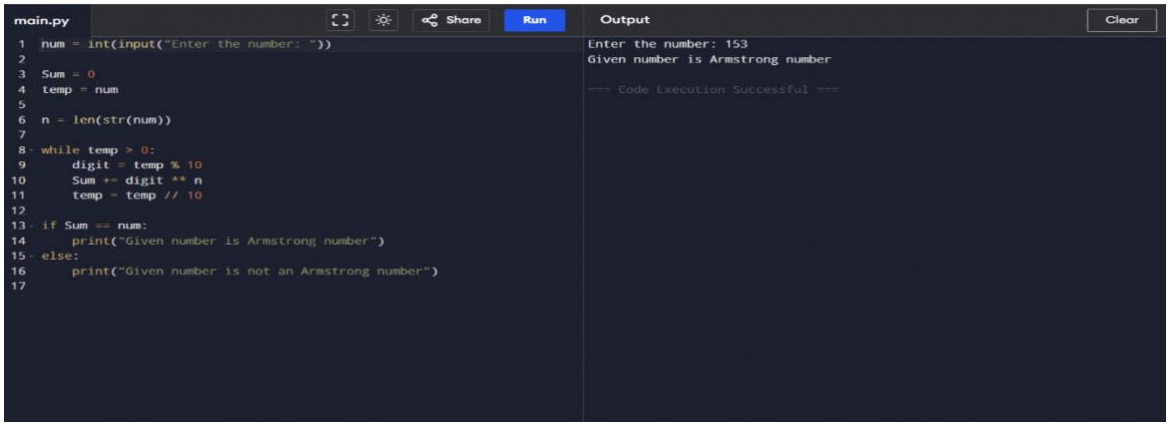
4 Write a program to generate Pythagorean Triplets for the given limit.



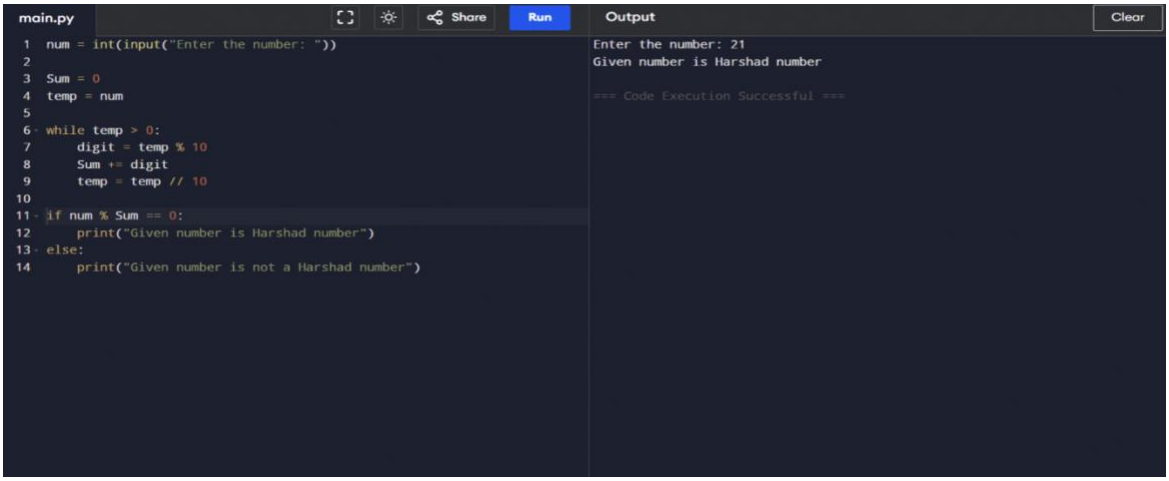
5. Write a program to find the sum of digits of N digit number (sum should be single digit)



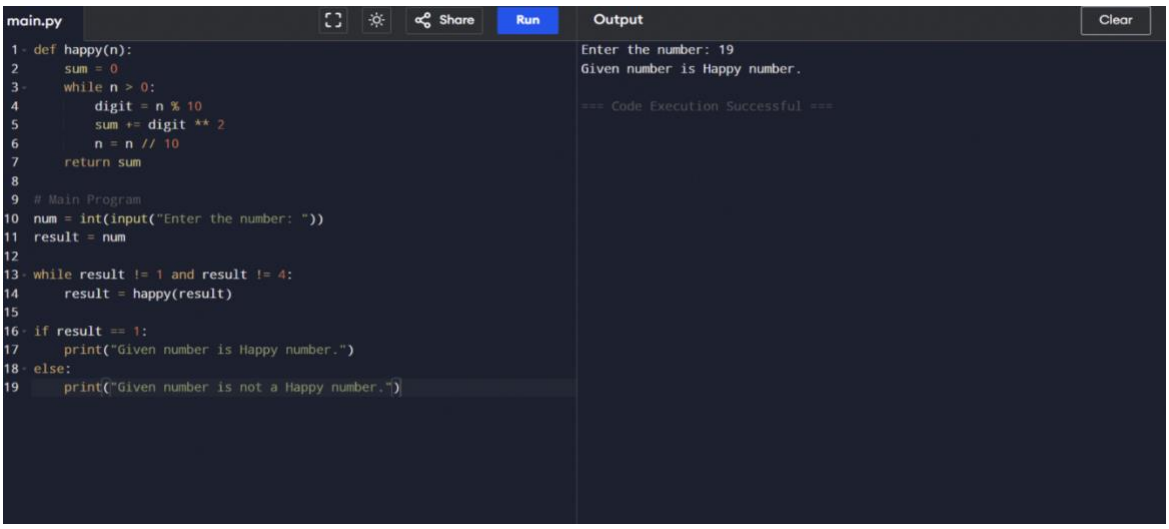
6. Program to find whether the given number is Armstrong number or not



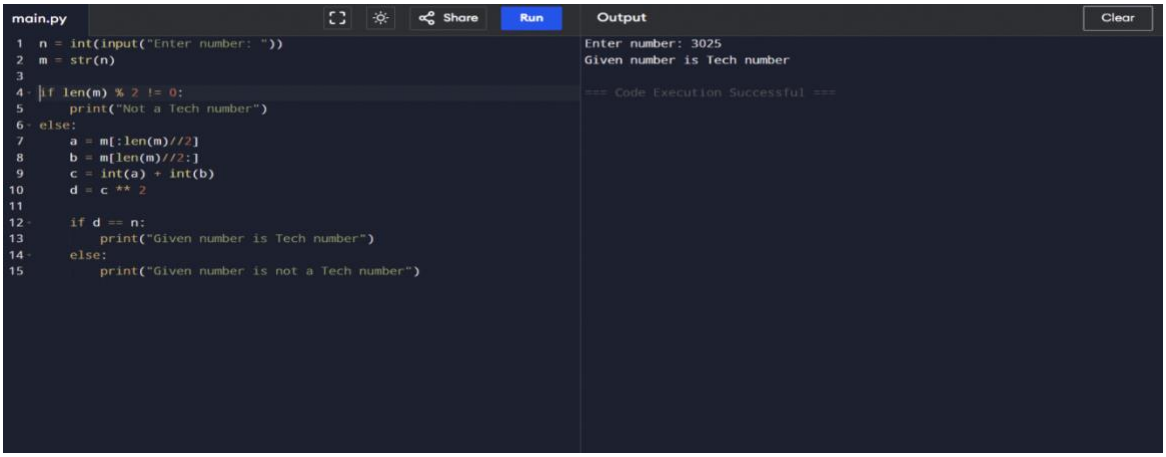
7. Program to find whether the given number is Harshad number or not



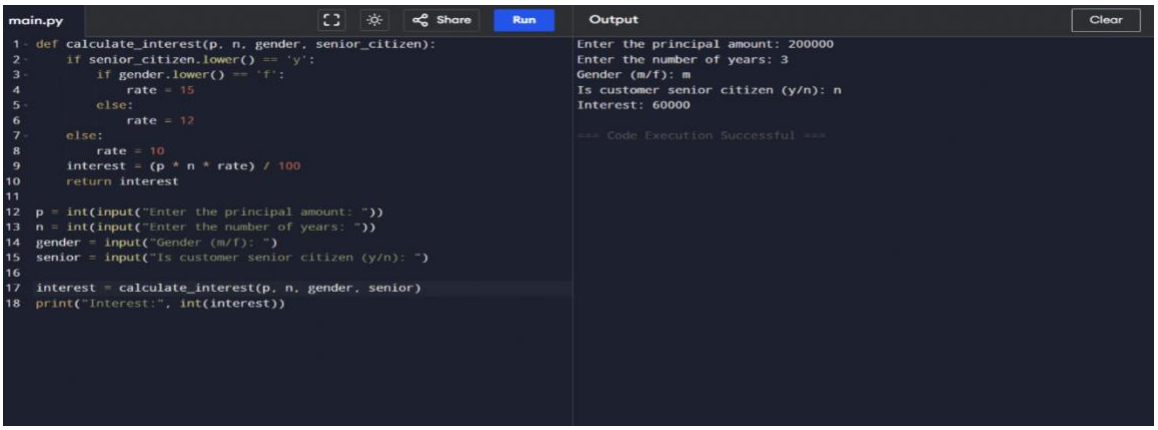
8. Program to find whether the given number is Happy number or not



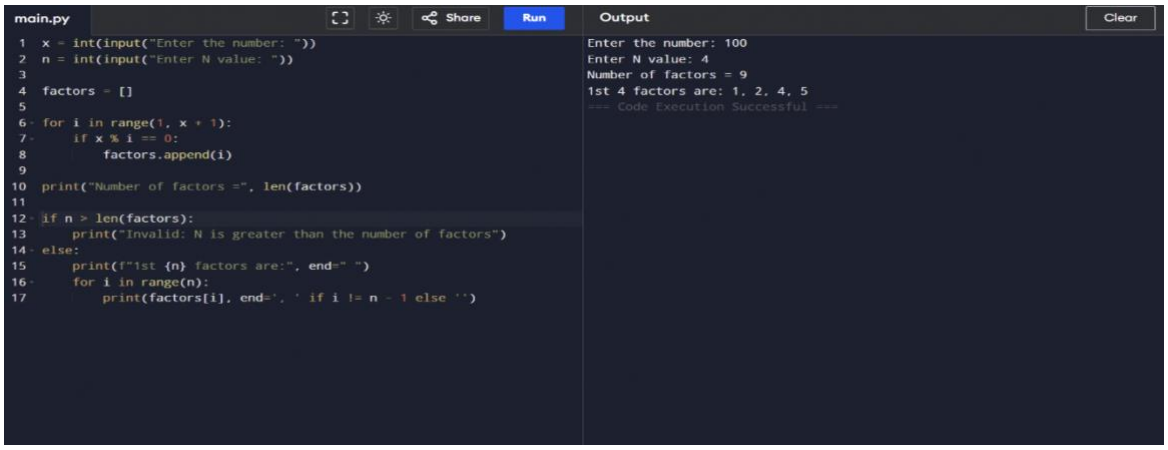
9. Program to find whether the given number is Tech number or not



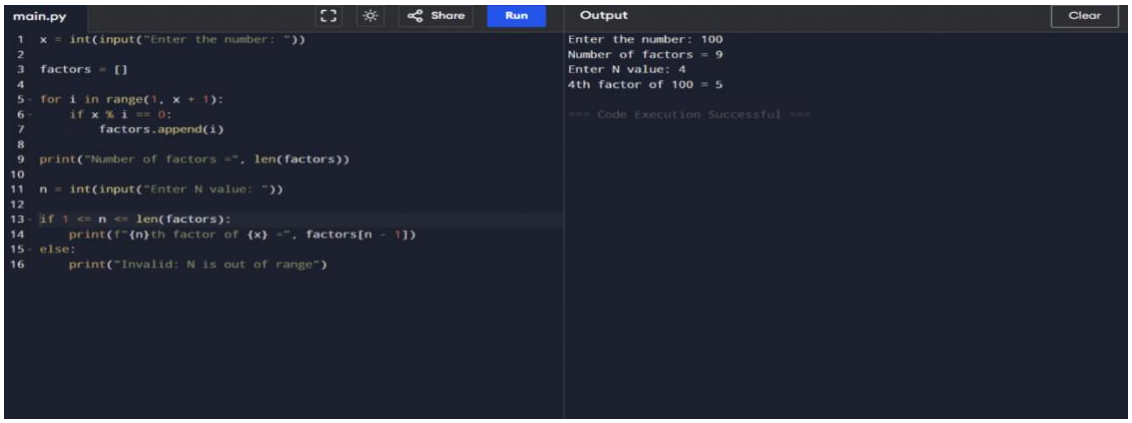
10. Write a program using function to calculate the simple interest. Suppose the customer is a senior citizen. She is being offered 15 percent rate of interest; he is being offered 12 percent rate of interest for all other customers, the ROI is 10 percent.



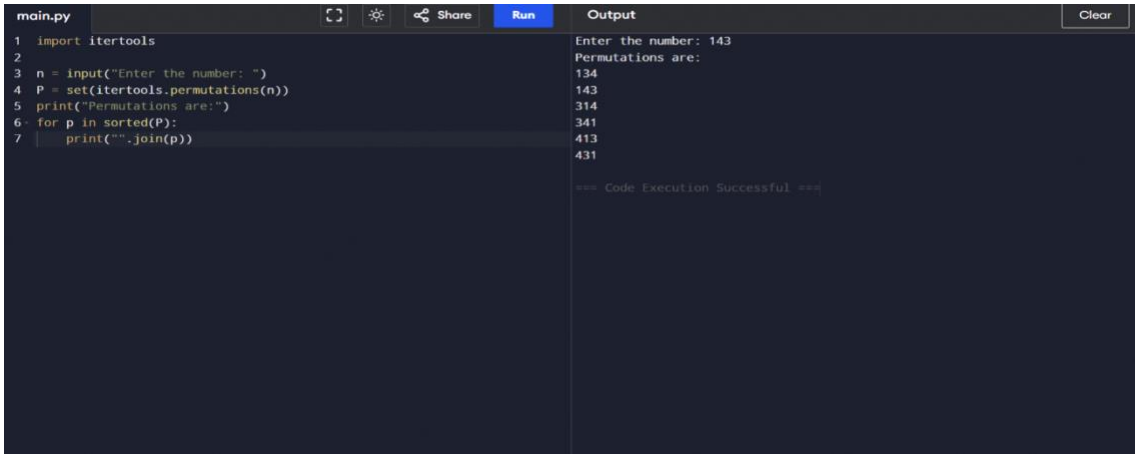
11. Find the number of factors for the given number and print the 1st N factors of the given number.



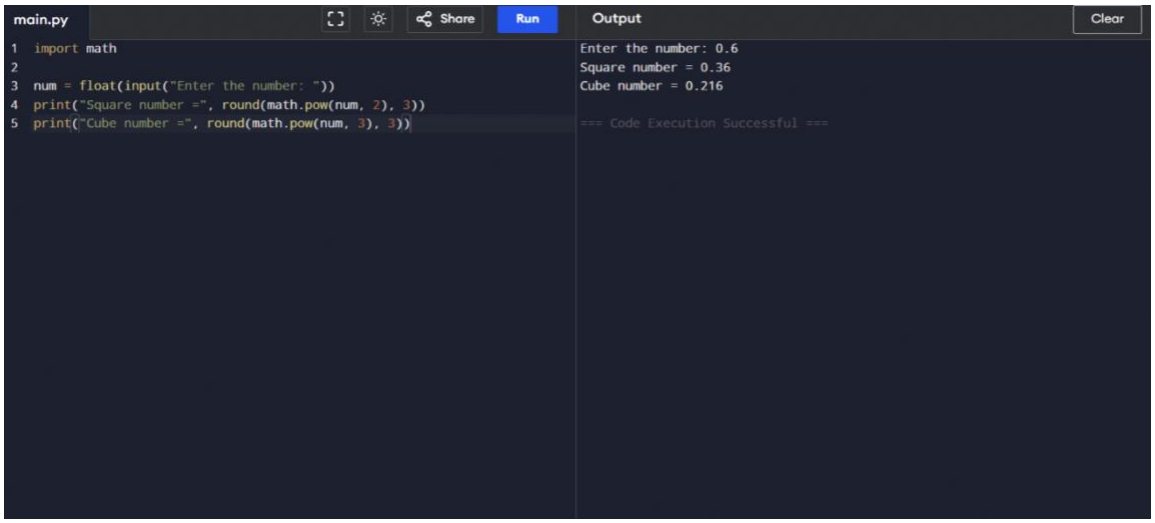
12. Write a program to print number of factors and to print nth factor of the given number.



13. Write a program to print unique permutations of a given number Sample.



14. Write a program to find the square, cube of the given decimal number



15. Write a program to convert the Binary to Decimal, Octal Sample Input: