



K. N. Toosi University of Technology

**Faculty of Physics
Educational Group of
Atomic-Molecular and Astronomy**

Machine Learning Quizzes (Quiz 1)

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1 Basic Operators

Write a program that takes two numbers and an operator (including addition, subtraction, multiplication, division and power) from the user and applies the operator to those two numbers and prints the result in the output.

2 Combination

Write a program that takes two numbers m and n from the user and prints the result $\binom{n}{m}$ in the output.

Note: To do this, first write a function that takes a number in the input and returns the factorial of that number; Then use this function in your code.