
Reminder: All counting variables must be of `INTEGER` datatype.

- 1) (3 pts) Write a program that will tabulate

$$f(x) = x^3 - 2.1x + 4.6 + e^{-x^2}$$

for $x \in [-2, 2]$. You should read in the value of n . Run your program to generate the table for $n = 5, 10, 20$.

- 2) (5 pts) Write a program that will compute $n!$ given the value of n . Test your program for $n = 0, 7, 11, 15$. Remember that $0! = 1$. Does your program always give you the correct answer?