Assignment II

1. Write a short story of at least 500 words. It can be fiction, horror, science fiction, fantasy, mystery, etc.

2. Herbert proposed a portfolio of investments to a couple. The couple wants to invest a total of $100,000 in bonds and stocks. The portfolio's expected return is at least 4%. What are the possible investments and their expected returns?

3. Find the most complex real root of the equation $x^3 + x^2 + x + 1 = 0$.

4. Find the least complex real root of the equation $x^4 - 3x^2 + 2 = 0$.

5. The diagram shows a graph of a function. Find the maximum and minimum values of the function.

6. Output the following sentence to a file named "mytext.txt":

   "The quick brown fox jumps over the lazy dog."