matrix.cpp / matrix.hpp protected: vector<vector<double>> myVector; static constexpr double TOLERANCE = 0.01; public: matrix(); matrix(int n); matrix(int r, int c); matrix(double arr[], int arraySize); void set_value(int r, int c, double val); double get_value(int r, int c) const; void clear(); ~matrix(); friend ostream & operator << (ostream & os, const matrix & obj) friend bool operator== (const matrix& lhs, const matrix& rhs) friend bool operator!= (const matrix& lhs, const matrix& rhs); matrix& operator++ (); //prefix matrix operator++ (int x); //postfix matrix& operator=(matrix rhs); friend void mySwap(matrix& first, matrix& second); friend matrix operator+(matrix lhs, const matrix& rhs); friend matrix operator-(matrix lhs, const matrix& rhs); matrix& operator+=(const matrix& rhs); matrix& operator-=(const matrix& rhs); friend matrix operator*(matrix lhs, const matrix& rhs); matrix& operator*=(const matrix& rhs); int getCol(); int getRow(); vector<vector<double>> getVector(); is a

GooglePageRank.cpp / GooglePageRank.hpp

private:

double p{0.85};

vector<vector<double>> S; //importance matrix

public:

matrix importanceMatrix(matrix m); double getSumCol(int x, matrix m); matrix teleportationMatrix(matrix m); matrix transitionMatrix(matrix m1, matrix m2); matrix markov(matrix m); void print(matrix m); **Driver Class**

main.cpp
int main();
int main();