SquareMatrix ADT

Structure – Square Matrix

Definition – 10x10

RelationshipType – Add, Subtract, Print, Copy

Opertations –

Initialize(int I, int j)

Function: initialize matrix to the values of its parameters

Precondition: none

Postcondition: self instance has been defined

MakeEmpty(n)

Function: sets rows and columns to 0

Precondition: self initialize

Postcondition: = matrix[I,j] = 0

StoreValue(I,j,value)

Function:stores given value

Precondition: self initialize

Postcondition: matrix[I,j] = value

Add

Function: add matrixs

Precondition: self initialize

Postcondition: matrix[I,j] + matrix[I,j]

Subtract

Function: subtract matrixs

Precondition: self initialize

Postcondition: matrix[I,j] – matrix I,j]

Print

Function: print matrix

Precondition:self initialize

Postcondition: print matrix[I,j]

Copy

Function: copy matrix

Precondition: self initialize

Postcondition: matrix[I,j] = matrix[I,j]