

<<interface>> BarcodelO + main(Strings args[]): void + scan(Barcodelmage bc): boolean + readText(String text): boolean + generatelmageFromText(): boolean + translateImageToText(): boolean displayTextToConsole(): void displayImageToConsole(): void DataMatrix + BLACK CHAR: char + WHITE CHAR: char image: Barcodelmage text: String actualHeight: int actualWidth: int + DataMatrix() + DataMatrix(Barcodelmage image) + DataMatrix(String text) + readText(String text): boolean + scan(Barcodelmage image): boolean getActualWidth(): int getActualHeight(): int generateImageFromText(): boolean + translateImageToText(): boolean + displayTextToConsole(): void + displayRawImage(): void - writeCharToCol(int col, int code): boolean intToBinaryArray (int num): boolean[] readCharFromCol(int col): char clearImage(): void computeSignalWidth(): int computeSignalHeight(): int cleanImage(): void moveImageToLowerLeft(): void shiftImageDown(int offset): void shiftImageLeft(int offset): void · findTopLeft(): int[] · findBottomLeft(): int[] generateLeftBorder(): boolean

generateRightBorder(): boolean generateTopBorder(): boolean generateBottomBorder(): boolean imageNotBlank(): boolean

KEY

- + public access method
- private access method# protected method