## <<Interface>> BarcodelO + boolean scan(BarcodeImage bc) : boolean + readText(String text) : boolean + generateImageFromText(): boolean + translateImageToText(): boolean + displayTextToConsole() : void + displayImageToConsole(): void Barcodelmage + MAX\_HEIGHT : int + MAX\_WIDTH : int - imageData : boolean[][] <<Interface>> Cloneable + Barcodelmage(): void + Barcodelmage(String[] strData) : void DataMatrix + displayToConsole() : void + getPixel(int col, int row) : boolean + setPixel(int col, int row, boolean value): boolean + clone(): object: + BLACK CHAR : char - checkSize(String[] data) : boolean + WHITE CHAR : char - image : Barcodelmage - text : String - actualWidth: int - actualHeight : int + DataMatrix(): void + DataMatrix(Barcodelmage image) : void + DataMatrix(String text) : void + displayTextToConsole : void + displayImageToConsole : void + readText(String text) : boolean + scan(BarCodeImage image) : boolean + generateImageFromText() : boolean + translateImageToText(): boolean + getWidth(): int + getHeight(): int - shiftImageDown(int offset): void - shiftImageLeft(int offset): void - generateLimitationLine(): void - generateOpenBorderLine() : void - clearImage() : void - cleanImage() : void - writeCharToCol(int col, int code): boolean - computeSignalWidth(): int - computeSignalHeight(): int - moveImageToLowerLeft(int xOffset, int yOffset) : int - readCharFromCol(int col) : char