

  AsciiArtAlgorithm	
  AsciiArtAlgorithm(Image, int, SubImgCharMatcher)	
  processedImage	ImageHandler
  matcher	SubImgCharMatcher
  run()	char[] []

  Shell	
  Shell()	
  image	Image
  resolution	int
  matcher	SubImgCharMatcher
  out	AsciiOutput
  AddAndRemovalManagement(String)	void
  main(String[])	void
  resManagement(String)	void
  getInput()	String
  setOutPut(String)	void
  runAsciiArt()	void
  updateCharacterSet(String, char)	void
  run()	void
  printInvalidInput(String)	void
  getCharSetManagement()	void
  userInputManagement()	void
  setImage(String)	void

  CharConverter	
  CharConverter()	
  Y_OFFSET_FACTOR	double
  DEFAULT_PIXEL_RESOLUTION	int
  X_OFFSET_FACTOR	double
  FONT_NAME	String
  getBufferedImage(char, String, int)	BufferedImage
  convertToBoolArray(char)	boolean[] []






















































  ImageHandler	
  ImageHandler(Image, int)	
  paddedImage	Image
  resolution	int
  subImagesArray	Image[] []
  image	Image
  copyAndPadding(Image, int, int, int, int, int, int)	Color[] []
  getSubImagesArray()	Image[] []
  imagePadding()	Image
  isPowerOfTwo(int)	boolean
  divideIntoSubImages(Image, int)	Image[] []
  getImageBrightness(Image)	double

  Image	
  Image(String)	
  Image(Color[] [], int, int)	
  width	int
  height	int
  pixelArray	Color[] []
  getWidth()	int
  getPixel(int, int)	Color
  getHeight()	int
  saveImage(String)	void

  Constant	
  Constant()	
  EXCEPTION_INVALID_IMAGE_PATH	String
  DEFAULT_IMAGE_PATH	String
  FONT_NAME_OUTPUT	String
  CHANGE_RESOLUTION_MESSAGE	String
  INVALID_USER_INPUT	String
  EMPTY_CHARSET_MESSAGE	String
  DEFAULT_CHAR_SET	char[]
  EXCEEDING_BOUNDARIES_MESSAGE	String
  RGB_MAX	double
  OUTPUT_FILE_NAME	String
  REMOVE_INVALID_MESSAGE	String
  DEFAULT_RESOLUTION	int
  EMPTY	int
  INPUT_USER_MESSAGE	String
  INVALID_RES_INPUT	String
  SET_OUT_PUT_INVALID_COMMANL	String
  BLUE_CONST	double
  CHAR_BRIGHTNESS_CALC_DIM	int
  GREEN_CONST	double
  ADD_INVALID_MESSAGE	String
  RED_CONST	double
  CHAR_BRIGHTNESS_CALC_RESOLUTION	int

  SubImgCharMatcher	
  SubImgCharMatcher(char[])	
  normalizedBrightnesesToChars	TreeMap<Double, TreeSet<Character>>>
  notNormalizedBrightneses	TreeSet<Double>
  charset	char[]
  notNormalizedCharsMap	HashMap<Character, Double>
  normalizedCharsMap	HashMap<Character, Double>
  getRawBrightness(boolean[] [])	double
  normalizeCharacter(Character, Double, double, double)	void
  removeChar(char)	void
  getCharByImageBrightness(double)	char
  preNormalizeChar(char)	void
  getNotNormalizedCharsMap()	HashMap<Character, Double>
  normalize(double, double)	void
  addChar(char)	void