**Basic Ghostscript command**

In its very simple form Ghostscript can be executed as below:

gs -sDevice=png16m -sOutputFile="pic-1.png" input.pdf

This command will convert a single page pdf file named input.pdf and saves the output to pic-1.png

sDevice option specifies the output device. It can be any available device such as jpeg, tiff32nc, pngmono, etc., For a list of all available devices check help using the command gs -h

**Convert multi page PDF to PNG files**

To convert a multi-page pdf file and generate separate png file for each page the command is:

gs -dNOPAUSE –r150 -dBATCH -sDEVICE=png16m -sOutputFile="Pic-%d.png" input.pdf

gs : E:\SETUP\OTHER\Ghostscript\_installed\gs9.18\bin\gswin64.exe

-r300 : 300dpi

-r150 : 150dpi

The above command will generate a separate PNG file for each page in the pdf file input.pdf. The %din the output file name is replaced by the page number hence the PNG files are named pic-1, pic-2, pic3,  and so on., for pages 1, 2, 3, respectively.

-dNOPAUSE option disables the prompt and pause after each page is processed.

-dBATCH option causes Ghostscript to exit when processing of the file specified in the command has finished.

**Convert specific page(s) of multi-page PDF to PNG**

You could use the options �dFirstPage and �dLastPage to convert specific pages of a multi-page PDF document. For example, to convert that pages 3 and 4 of a pdf document named input.pdf, the command is:

gs -dNOPAUSE -dBATCH -sDEVICE=png16m �dFirstPage=3 �dLastPage=4 -sOutputFile="Pic-%d.png" input.pdf

**Other Uses of Ghostscript**

Ghostscript can do many more things other than just converting PDF and Postscript files to images such as viewing files, printing, changing the resolution of the images, rasterize a document, rendering a file in grayscale etc., There are also a number of utility scripts the invokes Ghostscript with appropriate options for converting PDF to Postscript and vice versa. Most popular among them are ps2pdf and pdf2ps.

http://ghostscript.com/doc/7.07/Use.htm