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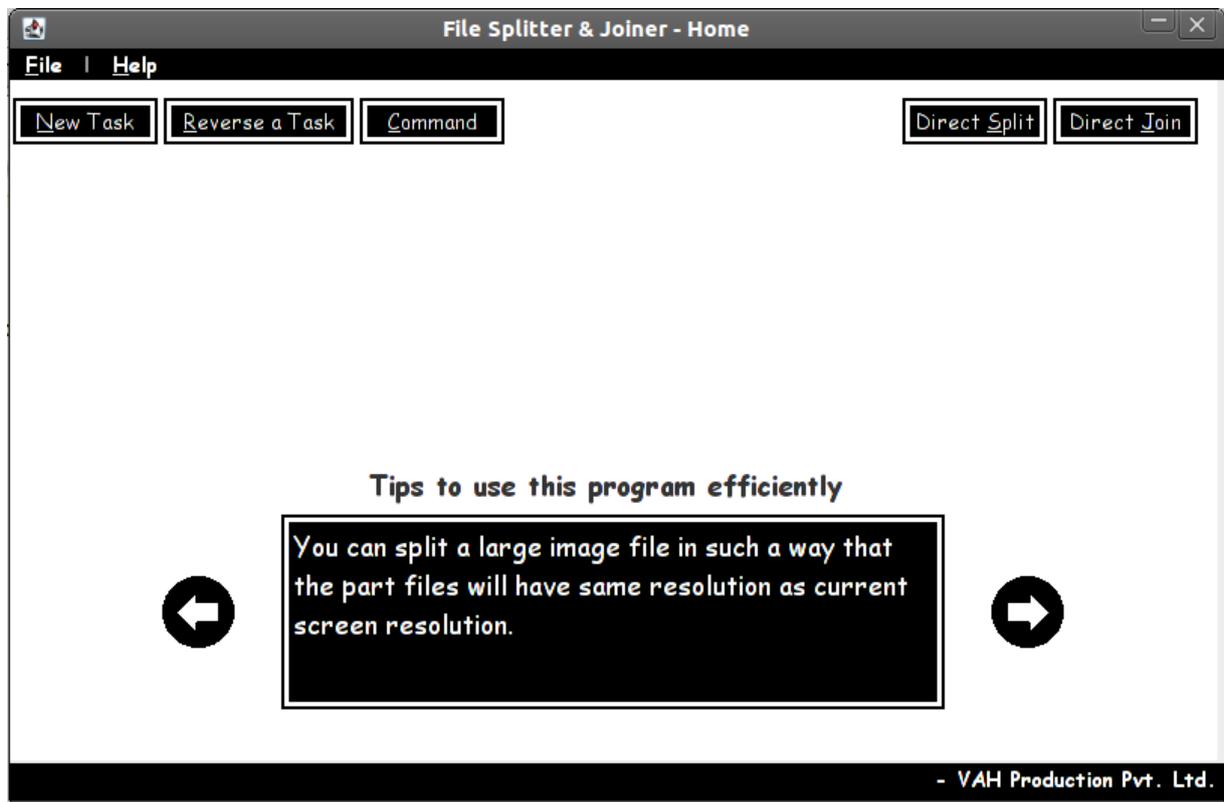
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## 1. Bmp Split – Equal Parts

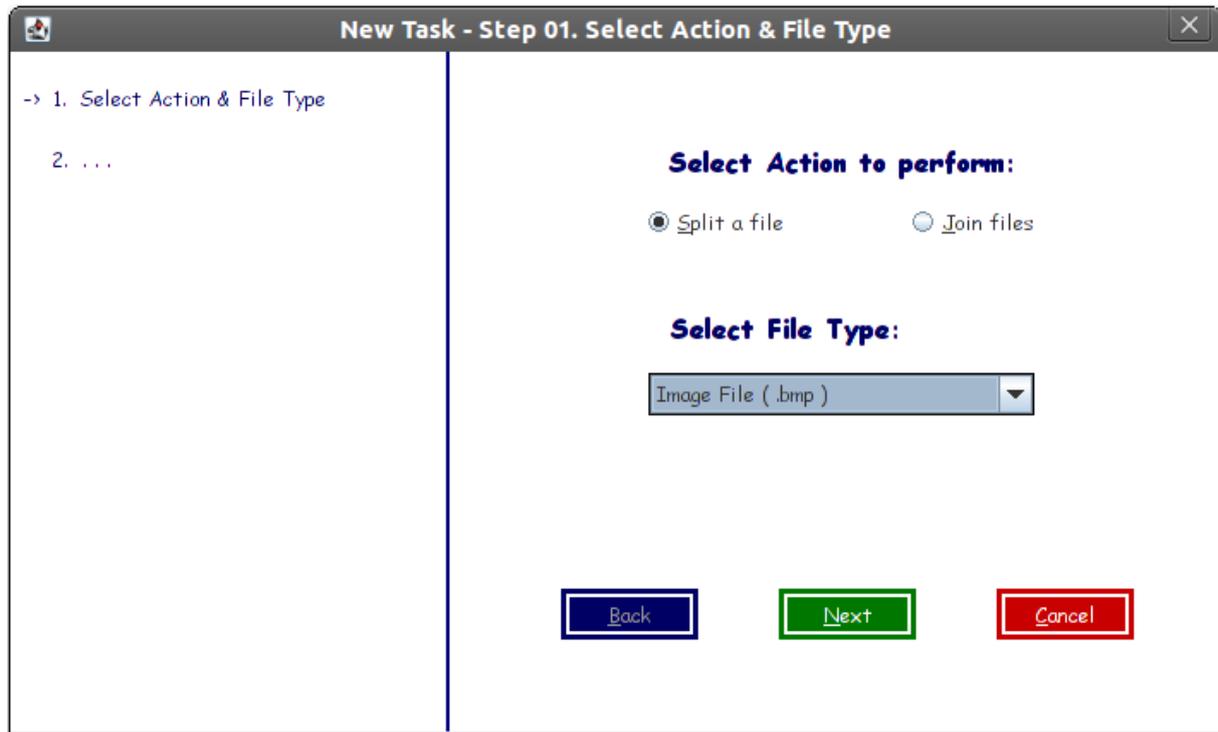
### 1.1 Main Screen

➤ When *the Software* is started the following screen appears.



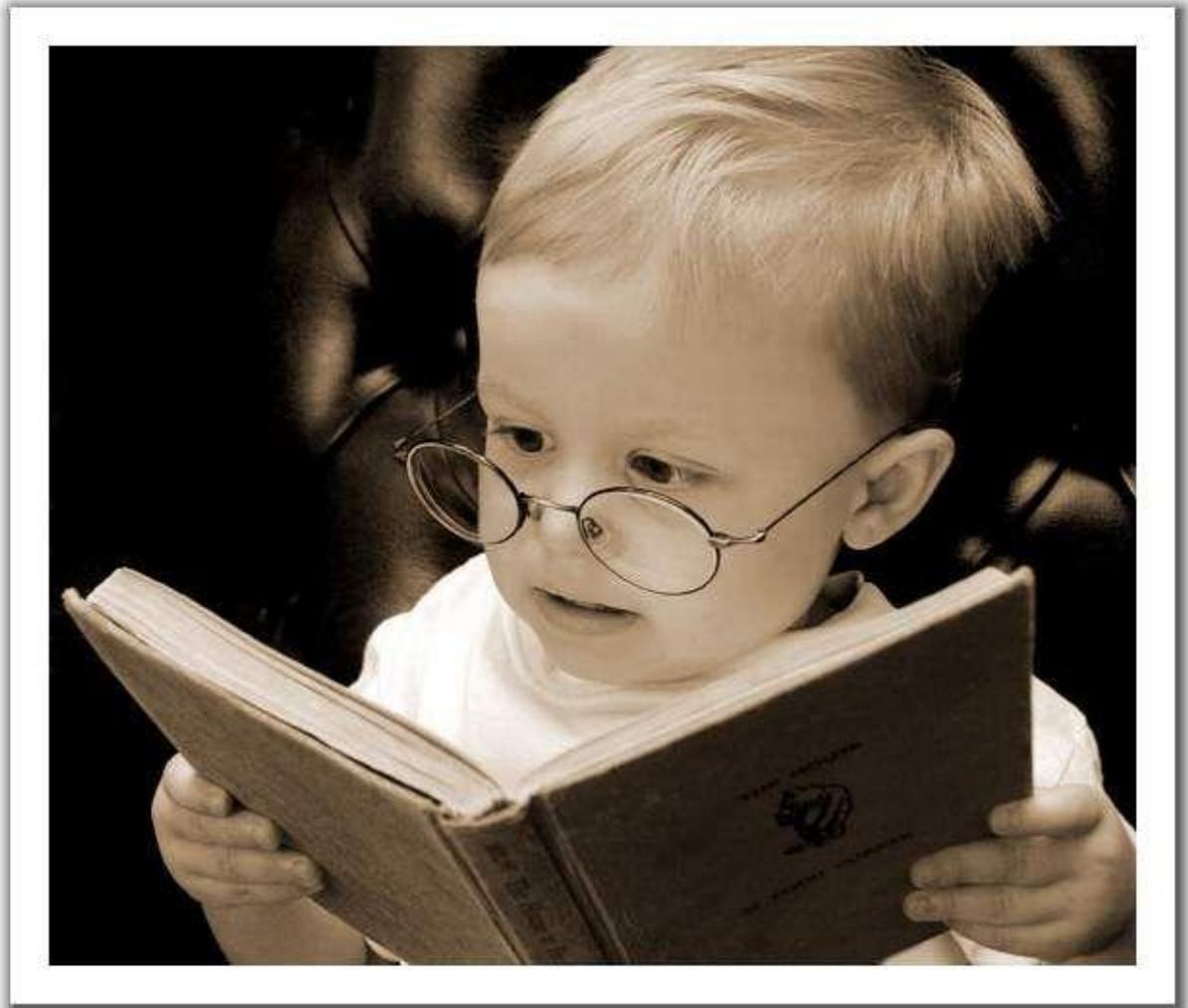
## 1.2 Bmp Split : Step 01

➤ When **File > New Task** is selected, the following screen appears.



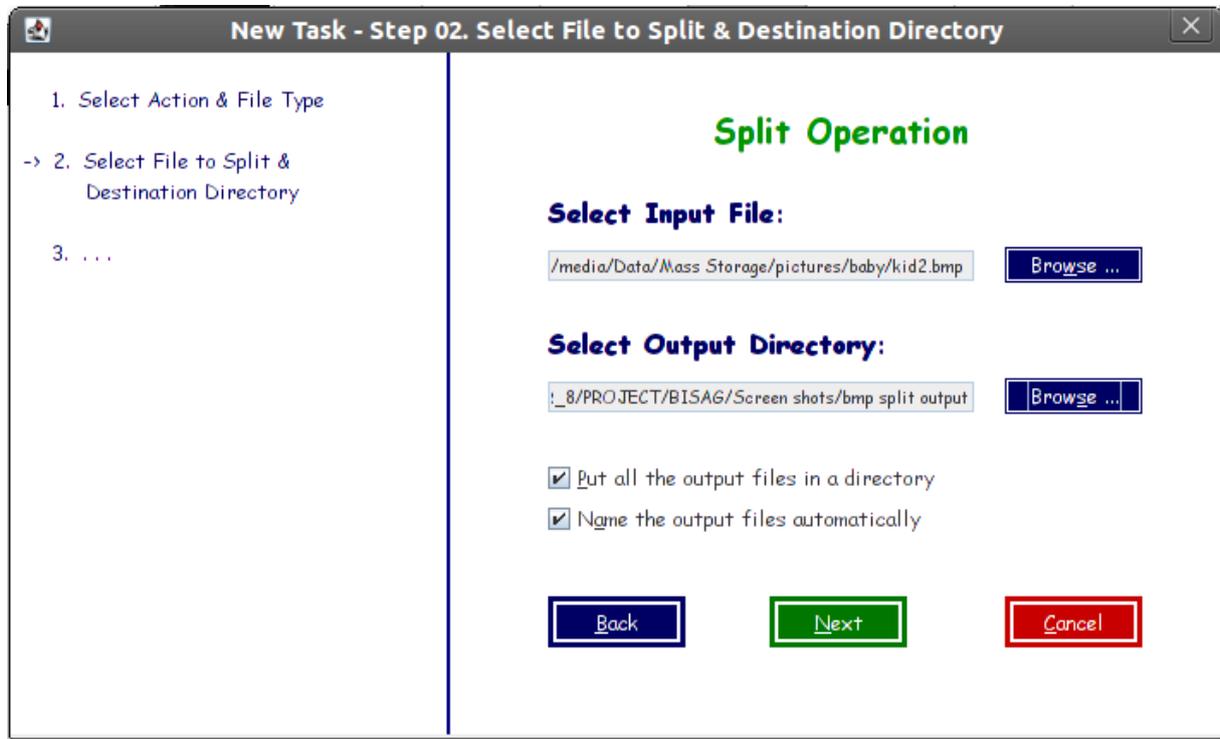
### 1.3 Input file (kid2.bmp)

- Following is the input file which will be split in this operation.



## 1.4 Bmp Split : Step 02

- Select Input file (kid2.bmp in this case) and the output directory where the split files will be placed.
- Also check the options provided below in the screen.



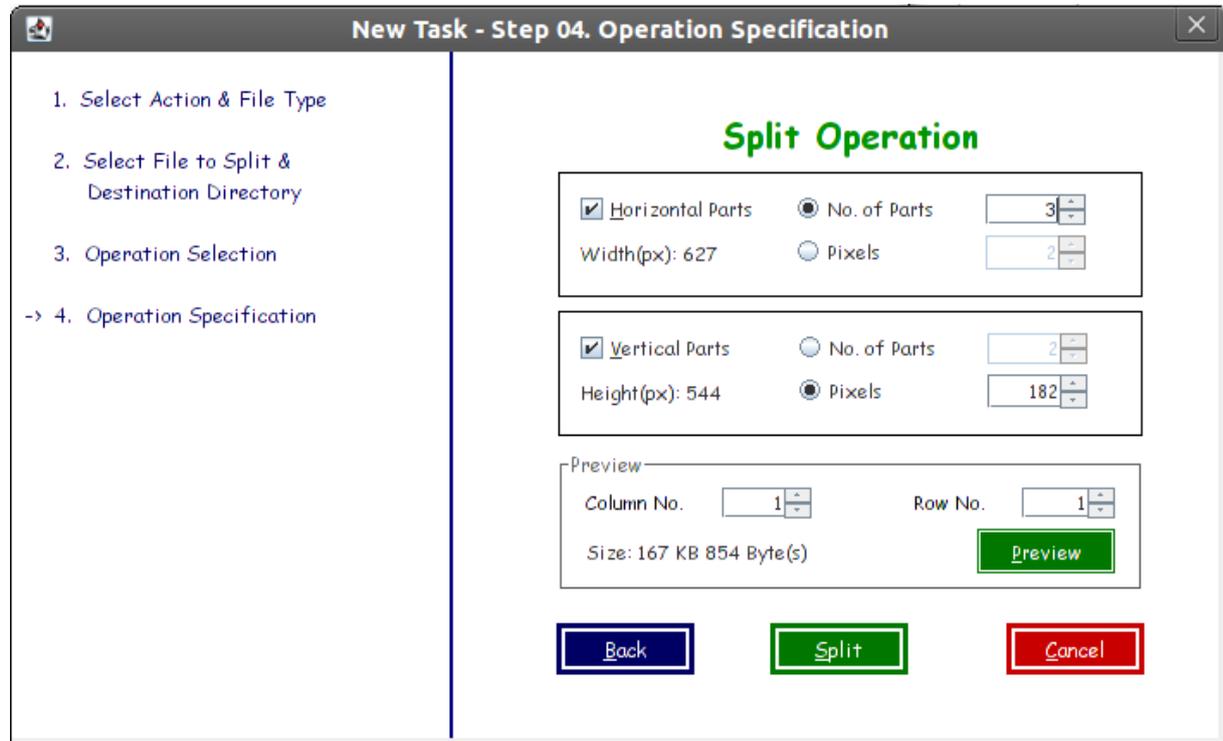
### 1.5 Bmp Split : Step 03

- Select the option whether you want ...
  - to crop a part from the image, or
  - to make specific number of parts of the image, or
  - all parts to have specific number of pixels in width and height
  - all parts to have size which is same as current resolution of the screen.



## 1.6 Bmp Split : Step 04

- Specify the **number of parts**, or the **number of pixels** in width and height.
- You can see the **preview** of a specific part, also.
- In preview box, the **size** specifies the size of the part which is selected in the preview box by **Column No.** and **Row No.**



**New Task - Step 04. Operation Specification**

1. Select Action & File Type

2. Select File to Split & Destination Directory

3. Operation Selection

-> 4. Operation Specification

### Split Operation

Horizontal Parts     No. of Parts      
Width(px): 627     Pixels   

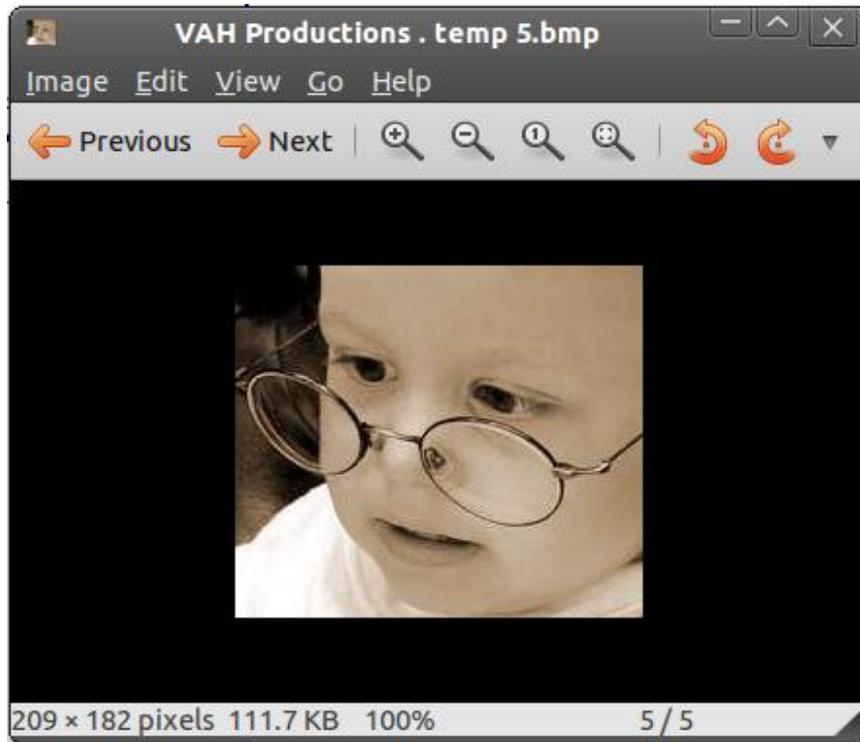
Vertical Parts     No. of Parts      
Height(px): 544     Pixels   

Preview

Column No.     Row No.   
Size: 167 KB 854 Byte(s)

### 1.7 Preview of a split file

- Following image is the preview of the part which has Column No=2 and Row No=2, when the image is split in 9 parts, i.e. 3 rows and 3 columns.



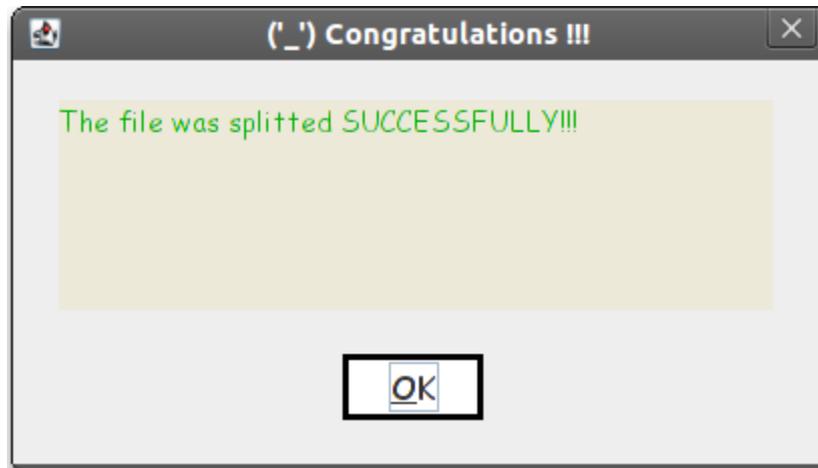
### 1.8 Destination directory

- Specify the destination directory where you want to place all the split files.



## 1.9 Message box

- The message box notifies that the operation has been completed successfully or with the error encountered during the operation.



## 1.10 Output : Split files

- Following figure shows the output files in the Thumbnail view.



### 1.11 LOG file

- The LOG file describes the operation performed.
- Reverse operation can also be carried out using the LOG file.
- The LOG file should not be modified to achieve the reverse operation automatically.

```

# 1 LOG # for kid2.TXT
1
2 Split Operation (.bmp)
3
4 Task initiated at :
5 15 : 8 : 12 (hh:mm:ss) on 28 - 3 - 2011 (dd-mm-yyyy)
6
7 by User : hitesh
8 on System : Linux i386 ( version : 2.6.35-25-generic )
9
10 Input file : /media/Data/Mass Storage/pictures/baby/kid2.bmp ( Size : 627 x 544 (in px) , 1024950 Bytes )
11 Output directory : /media/Welcome/Viral/MY_A/COURSE/SEMESTER_8/PROJECT/BISAG/Screen shots/bmp split output/kid 3x3/
12 Output file ( 1 ) ( 1 ) : kid2 - (1) (1).bmp ( Size : 209 x 182 (in px) , 114350 Bytes , (0,0)(208,181) )
13 Output file ( 1 ) ( 2 ) : kid2 - (1) (2).bmp ( Size : 209 x 182 (in px) , 114350 Bytes , (209,0)(417,181) )
14 Output file ( 1 ) ( 3 ) : kid2 - (1) (3).bmp ( Size : 209 x 182 (in px) , 114350 Bytes , (418,0)(626,181) )
15 Output file ( 2 ) ( 1 ) : kid2 - (2) (1).bmp ( Size : 209 x 182 (in px) , 114350 Bytes , (0,182)(208,363) )
16 Output file ( 2 ) ( 2 ) : kid2 - (2) (2).bmp ( Size : 209 x 182 (in px) , 114350 Bytes , (209,182)(417,363) )
17 Output file ( 2 ) ( 3 ) : kid2 - (2) (3).bmp ( Size : 209 x 182 (in px) , 114350 Bytes , (418,182)(626,363) )
18 Output file ( 3 ) ( 1 ) : kid2 - (3) (1).bmp ( Size : 209 x 180 (in px) , 113094 Bytes , (0,364)(208,543) )
19 Output file ( 3 ) ( 2 ) : kid2 - (3) (2).bmp ( Size : 209 x 180 (in px) , 113094 Bytes , (209,364)(417,543) )
20 Output file ( 3 ) ( 3 ) : kid2 - (3) (3).bmp ( Size : 209 x 180 (in px) , 113094 Bytes , (418,364)(626,543) )
21
22 Selected Options :
23 - Put all Output Files in a directory
24 - AutoName all Output Files
25 - Equal Parts
26 - Horizontal Parts
27 - No. of Parts : 3
28 - Vertical Parts
29 - Maximum No. of Vertical Pixels in each part : 182
30
31 Time taken by the process : 15.784 seconds
32
33 Task completed at :
34 15 : 10 : 16 (hh:mm:ss) on 28 - 3 - 2011 (dd-mm-yyyy)

```

## 2. Bmp Split – Crop Operation

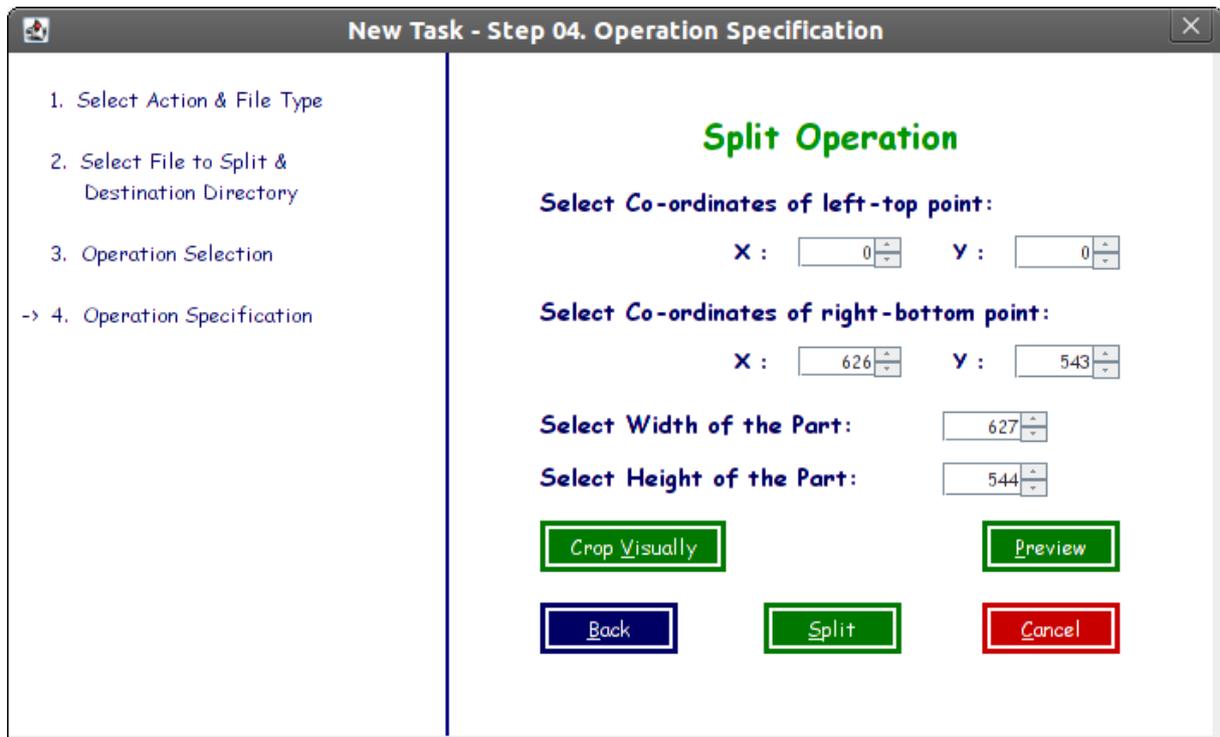
### 2.1 Select crop

- Select the crop operation in this step if you want to crop a part from the image.



## 2.2 Crop using pixels

- Specify the pixel values you want to crop.
- The pixel numbering begins with the 0(zero).
- See the **Preview** after entering values.
- If you want to crop the image graphically, select **Crop Visually**.



**New Task - Step 04. Operation Specification**

1. Select Action & File Type

2. Select File to Split & Destination Directory

3. Operation Selection

-> 4. Operation Specification

### Split Operation

Select Co-ordinates of left-top point:

X :  Y :

Select Co-ordinates of right-bottom point:

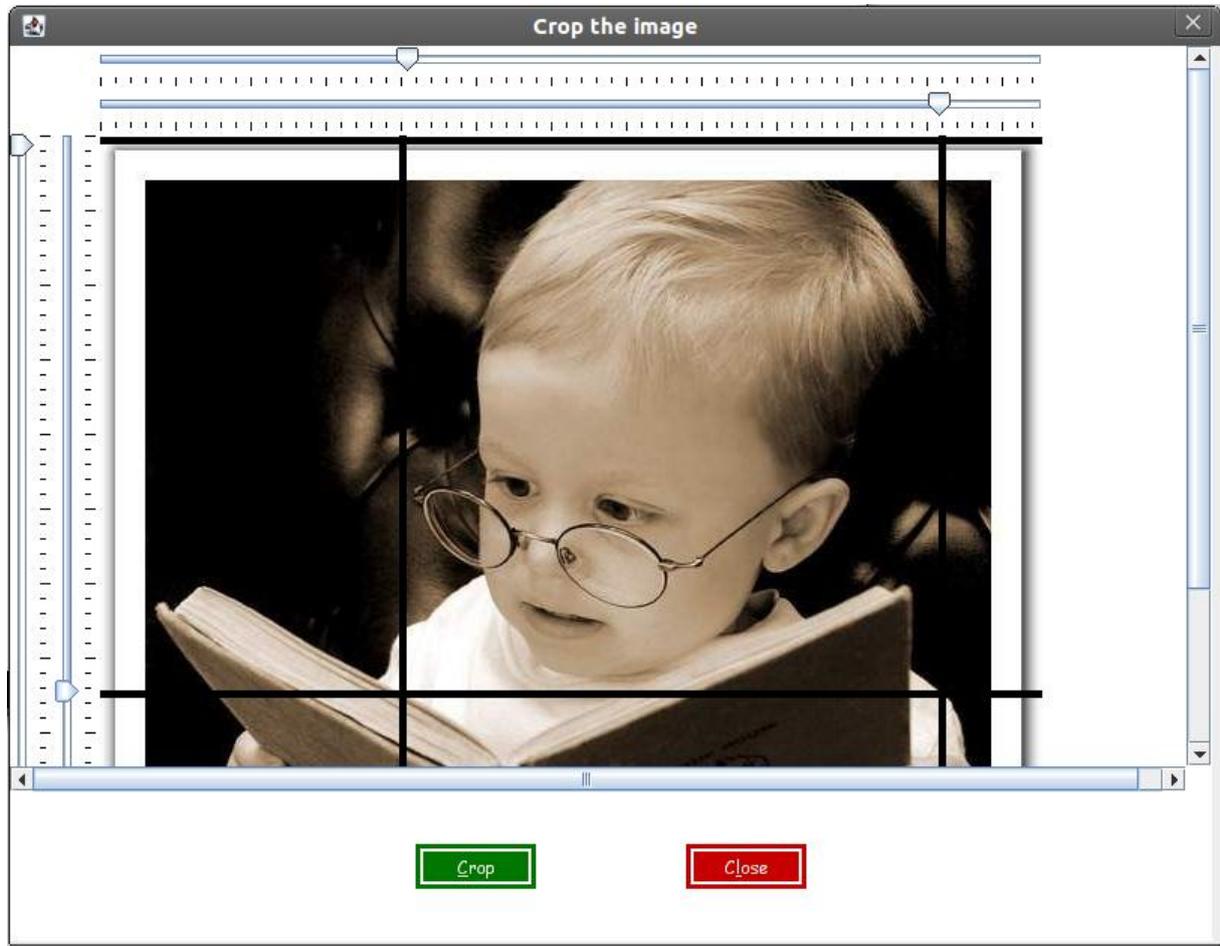
X :  Y :

Select Width of the Part:

Select Height of the Part:

### 2.3 Crop graphically

- Move the sliders using mouse or keyboard to select the part you want to crop.



## 2.4 Cropped part – Output file

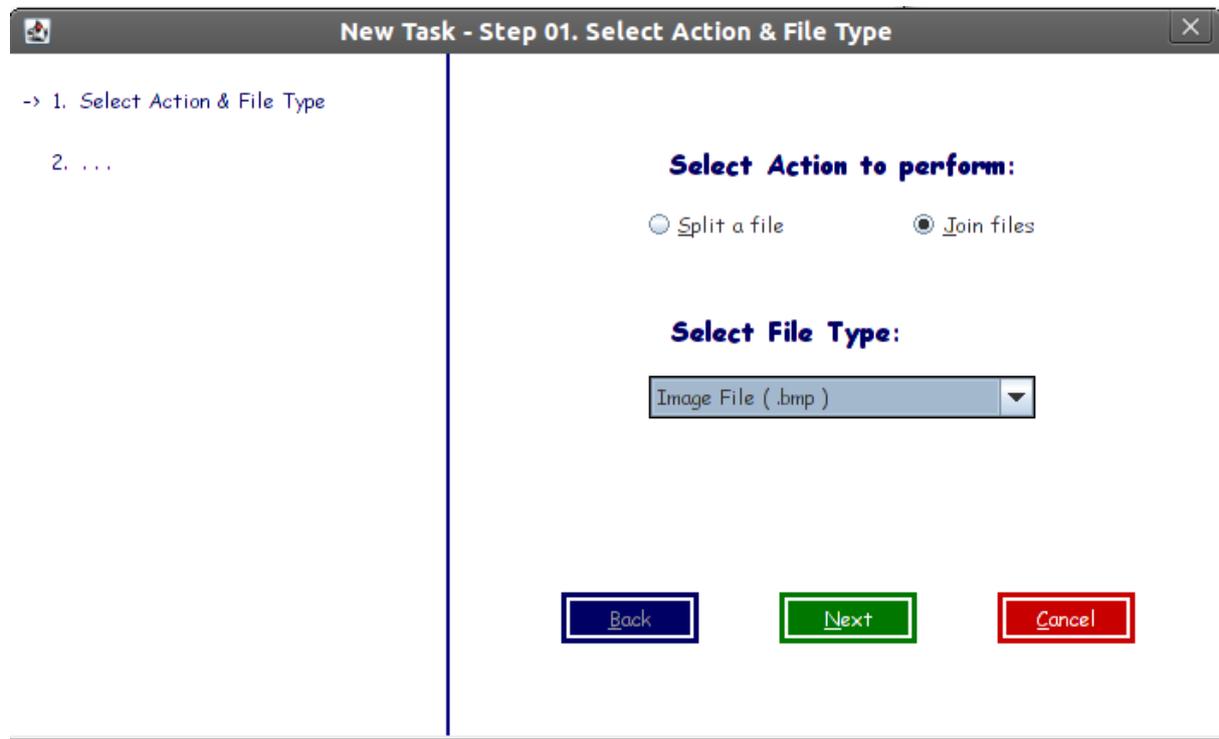
- This is the output file cropped by *the Software*.



### 3. Bmp Join

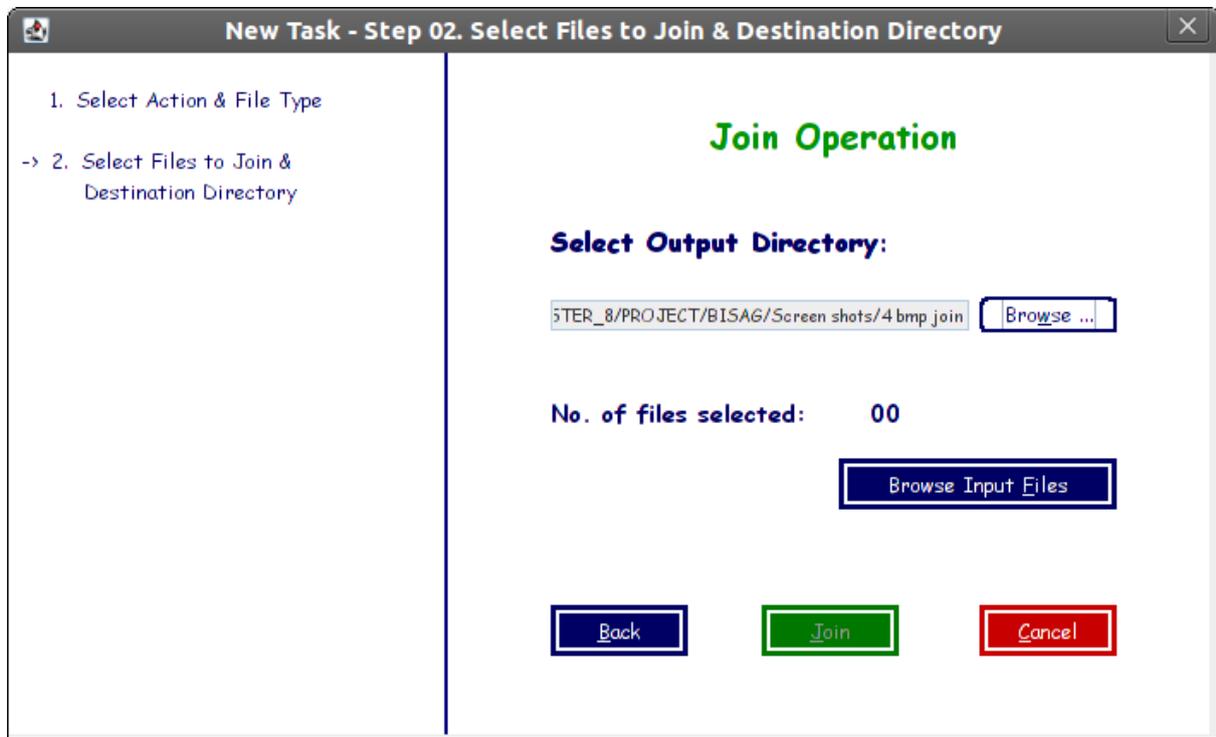
#### 3.1 Step 01

➤ When **File > New Task** is selected, the following screen appears.



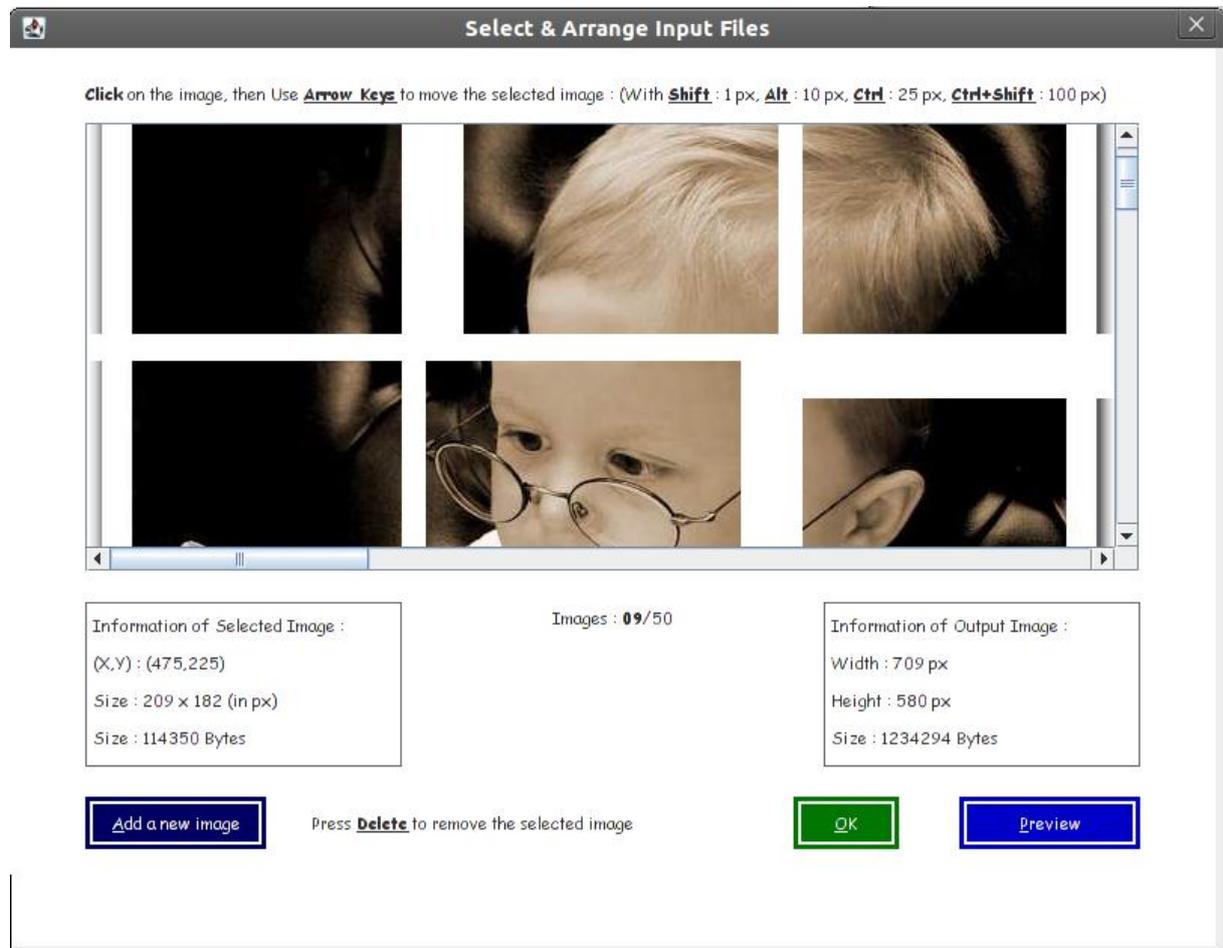
### 3.2 Step 02

- Select the Output directory where you want to place the output file.
- To select and arrange input files, select **Browse Input Files**, which will show up a Join Helper Box.



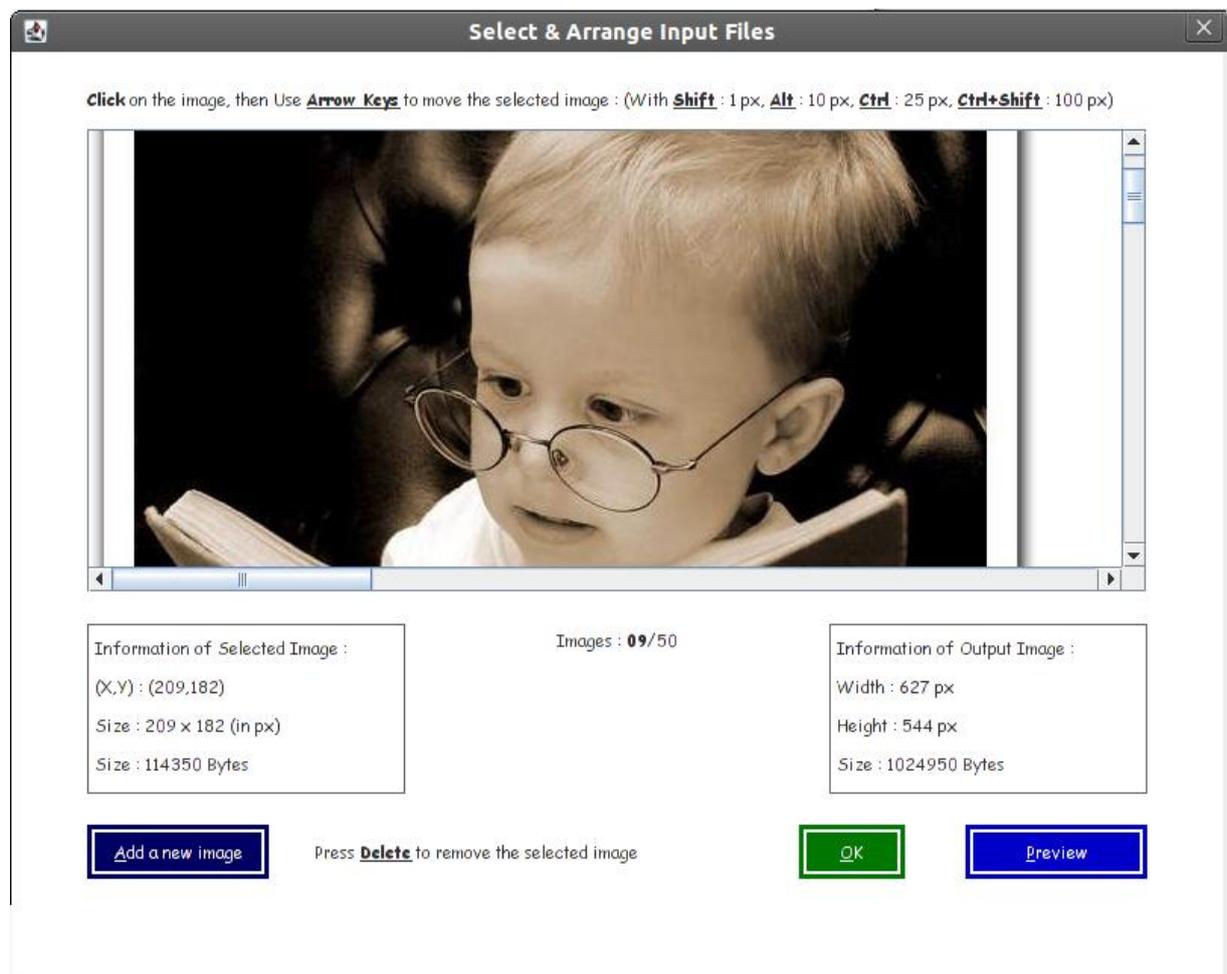
### 3.3 Join helper box with files unarranged

- Here nine files have been added using **Add a new image**.
- Six parts are visible in the figure shown below.



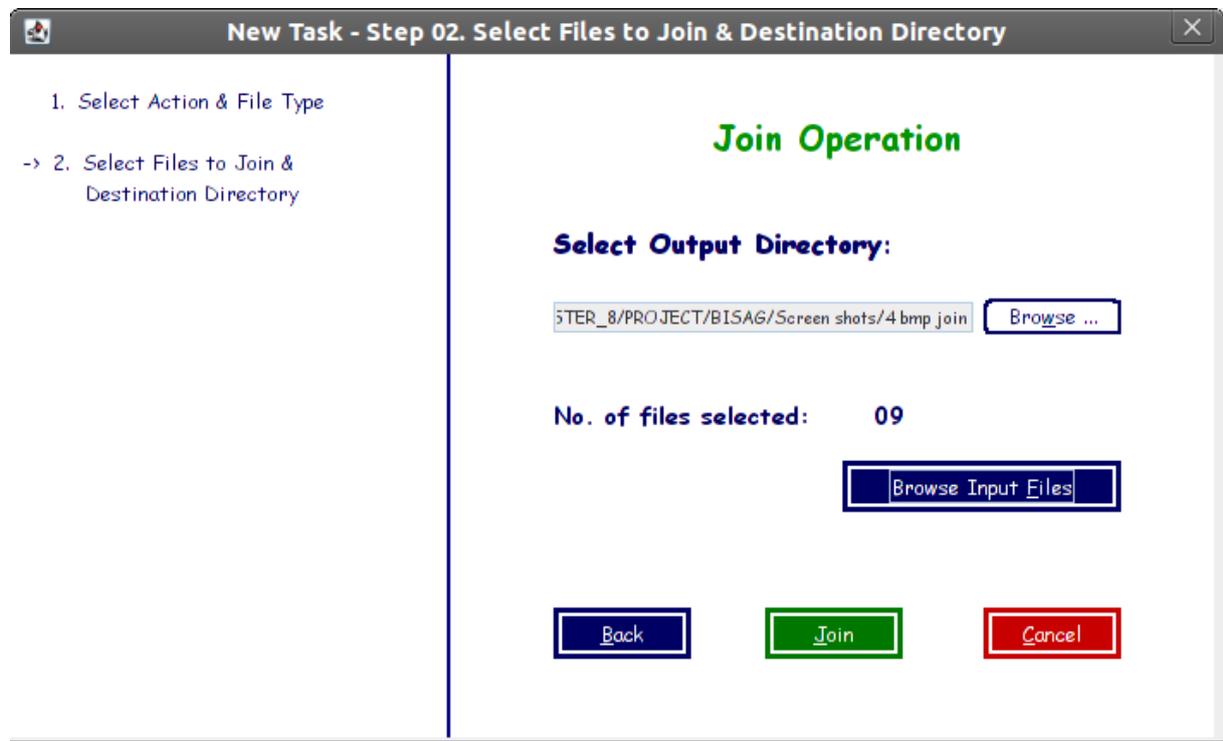
### 3.4 Join helper box with files browsed & arranged

- All images have been arranged using Keyboard as per the guideline shown above in the dialog box.
- Information of the selected image part and Output image (which will be created) is displayed below in it.
- Select **Preview** to see the preview, **OK** to complete.



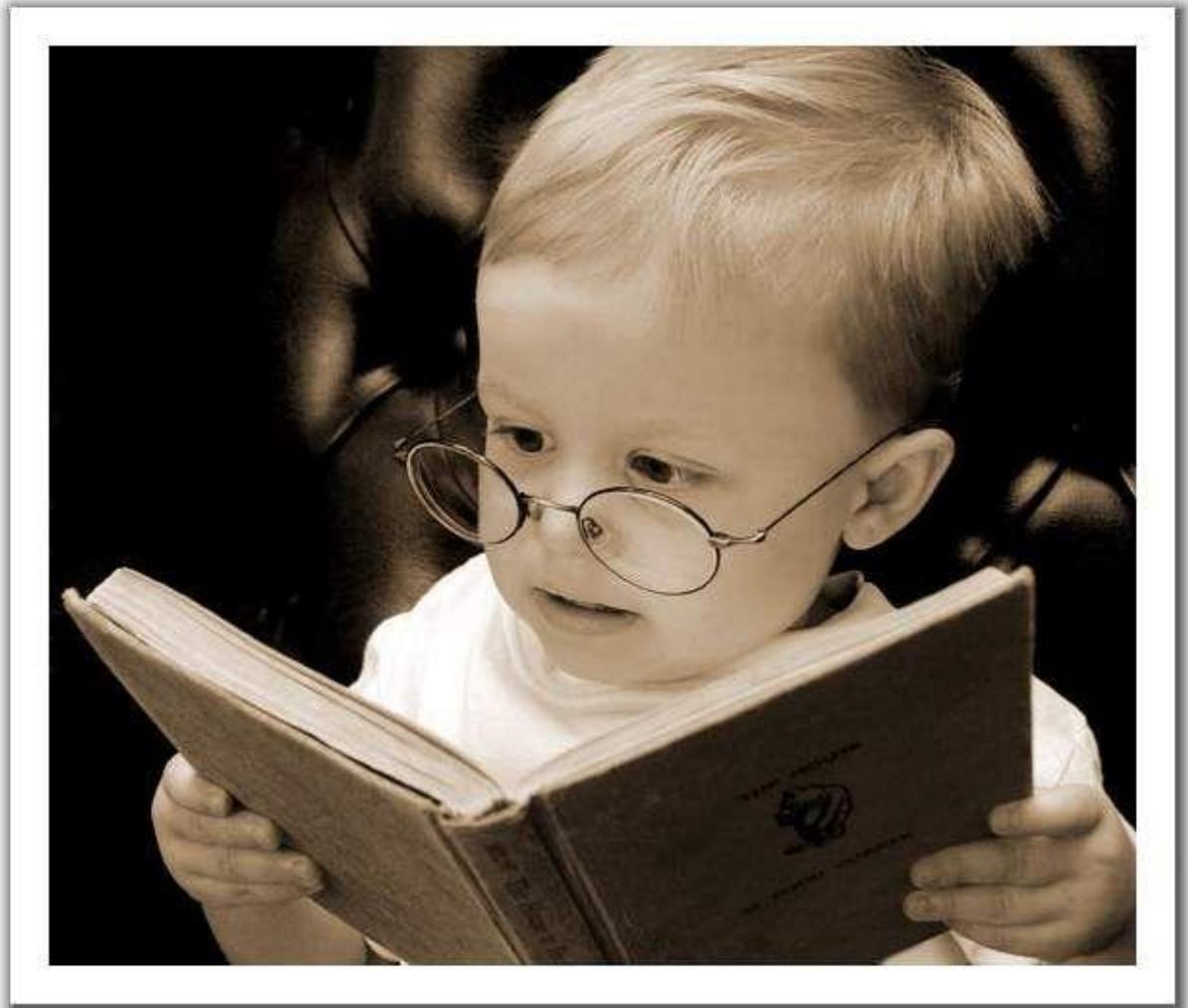
### 3.5 Browsing of files completed

- Here **No. of files selected** has been displayed.
- Press **Join** to join the images as shown in the preview.



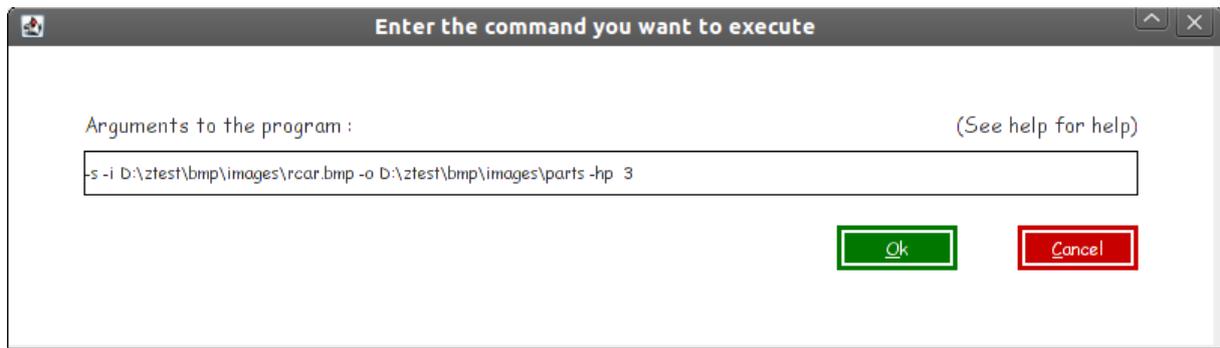
### 3.6 Output – Joined file

- This is the output file which is the join of nine image files.



#### 4. Command Window

- If you want to perform an operation using a command, you can do it here.



- **Syntax :**

**[switch-type] [switch-options]**

<b>[switch-type]</b>	<b>[switch-options]</b>
<b>-s (to split)</b>	<b>-i &lt;input file-path&gt; -o &lt;output file-path&gt; -p &lt;no. of parts&gt;   -b &lt;max no. of bytes in a part&gt;   -u &lt;list of no. of bytes separated by space&gt;</b>
<b>-j (to join)</b>	<b>-i &lt;input file-paths separated by space &gt; -o &lt;output file-path&gt;</b>
<b>-cls (to split)</b>	<b>-i &lt;input file-path&gt; -o &lt;output file-path&gt; -p &lt;no. of parts&gt;   -b &lt;max no. of bytes in a part&gt;   -u &lt;list of no. of bytes separated by space&gt;</b>
<b>-clj (to join)</b>	<b>-i &lt;input file-paths separated by space &gt; -o &lt;output file-path&gt;</b>