**Zap Automation Sample Summary**

1. **Collect Data From Websites**

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| --- | --- | --- |
| Name | Description | Zappy Actions |
| Extract Table Data From LSE Website | Extract Table data from any website | 1. [Chrome](https://docs.zappy.ai/docs/select-folder) Open 2. [For](https://docs.zappy.ai/docs/get-files-in-directory) Loop Start 3. [Excel Get Last Row Column](https://docs.zappy.ai/docs/value-increment) 4. Chrome Send Keys 5. [Clipboard](https://docs.zappy.ai/docs/set-variable-value) To String 6. [Html](https://docs.zappy.ai/docs/enable-reading-protected-pdf) Table To Data Table 7. [Value](https://docs.zappy.ai/docs/pdf-to-text-1) Increment 8. [Excel](https://docs.zappy.ai/docs/string-data-search) Range Paste 9. [Pause](https://docs.zappy.ai/docs/excel-set-property) |
| BSE\_NSE\_Stock | Extract Stock Prices, Sensex Index, Reality Index from BSE and NSE website and sort extracted data according to Market Capitalization and % change. | 1. Variable 2. Run Zappy Task 3. Excel Get Property 4. Excel Set Property 5. Compare Text 6. Split Text 7. Current Date and Time 8. Combine String 9. Chrome Open 10. Chrome Send Keys 11. Matches 12. Pause 13. For Loop Start 14. String Replace 15. String Data Search 16. Clipboard To String 17. Extract Number 18. Chrome Mouse 19. Workbook Save 20. Excel Range Copy 21. Excel Range Paste 22. Excel Range Sort |
| Extract Data From LSE | Extract Stock Prices from London Stock Exchange | 1. For Loop Start 2. Excel Send Keys 3. Chrome Open 4. Chrome Type 5. Chrome Mouse 6. Chrome Send Keys 7. Excel Set Focused Cell |
| Collect FX Data from Bloomberg | Extract FX Data from Bloomberg websites and set this extracted data in csv file | 1. Select Folder 2. Combine String 3. Variable 4. Set Variable Value 5. File Create 6. File Write To Text 7. Split Text 8. For Each Loop Start 9. [Chrome](https://docs.zappy.ai/docs/select-folder) Open 10. Chrome Send Keys 11. Compare Text 12. String Replace 13. Put Object To Clipboard 14. Current Date and Time 15. File Append Text |
| LinkedIn Get contact EmailIDs | Get Contact Email Id from LinkedIn | 1. [Excel Get Last Row Column](https://docs.zappy.ai/docs/value-increment) 2. For Loop Start 3. [Chrome](https://docs.zappy.ai/docs/select-folder) Open 4. [Chrome](https://docs.zappy.ai/docs/select-folder) Mouse 5. Excel Send Keys 6. [Chrome](https://docs.zappy.ai/docs/select-folder) Send Keys 7. [Clipboard](https://docs.zappy.ai/docs/set-variable-value) To String 8. Convert Html To Text 9. String Data Search 10. Excel Set Property 11. Variable |

**2) Convert PDF to Text Or Excel**

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| Name | Description | Zappy Actions |
| Extract PDF Tables Using Java | Extract Tables from PDF and set it in Excel. | 1. Select File 2. Extract PDF Table 3. String Replace 4. CSV File To Excel 5. Message Box |
| PDF to Excel | PDF To Excel Conversion Using python exe. | 1. Input Box 2. Select File 3. Pdf Table Extraction Using Python 4. Message Box |
| PDF To Text | Covert the PDF document into Text file | 1) Select File  2) Enable Reading Protected PDF  3) String Replace  4) PDF to Text  5) File Open |
| PDF To Word | Convert PDF document into Word document | 1) Select File  2) Convert PDF To Word File |

**3) Data Entry To In house Application**

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| Name | Description | Zap Actions |
| Patient Details Upload | Fill the details of all patient from excel | 1. For Loop Start 2. Excel Send Keys 3. Send Keys 4. Mouse |
| Trade Data Upload | Copy data from excel and paste it in two internal application | 1) Excel Send Keys  2) Send Keys  3) Mouse  4) Excel Set Focused Cell |
| Trade Reconciliation | Trade Reconciliation refers to a set of post-trade activities (typically T+0 or T+1) related to identifying and resolving trade breaks.  We created Zap automation that update Trade reconciliation for entries in excel sheet with values obtained from internal application. | 1) For Loop Start  2) Excel Send Keys  3) Send Keys  4) Mouse  5) Excel Set Focused Cell |

**4) Extract Required Values From PDF**

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| Name | Description | Zap Actions |
| Extract  Data From PDF | Extract only required values from PDF and set it in Excel | 1. Select Folder 2. Get Files in Directory 3. For Each Loop Start 4. Variable 5. Set Variable Value 6. Value Increment 7. Enable Reading Protected PDF 8. PDF to Text 9. String Data Search 10. Excel Set Property |

1. **Image To PDF or Text or Excel**

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| --- | --- | --- |
| Name | Description | Zap Actions |
| Image To PDF | Convert Image To PDF | 1. Select File 2. Ocr To Searchable PDF |
| Multiple Images To Single PDF | Convert multiple images to PDF Files then Merge all PDF files and create single Pdf. | 1. Select Folder 2. Get Files In Directory 3. Variable 4. For Each Loop 5. Ocr To Searchable PDF 6. Combine String 7. Merge PDF |
| Image To Excel | Convert Image to Excel | 1) Select File  2) Clean up Image  3) Ocr To Text  4) String To String Array  5) String Array To Data Table  6) Data Table To CSV  7) CSV To Excel |
| Image To Text | Convert multiple images to text file | 1) Select Folder  2) For Each Loop  3) Get Files In Directory  4) Ocr To Text  5) Run Script  6) File Write To Text |

1. **Launch Programs**

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| Name | Description | Zap Actions |
| Launch Program | To start any application or to open any file | 1. App Start |

1. **Organize Files And Folders**

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| Name | Description | Zap Actions |
| File Move | Move file from source folder to destination folder. | 1. Select File 2. Select Folder 3. File Move |
| Folder Move | Move the folder from one location to another | 1) Select Folder  2) Folder Move |

1. **Automate Mouse And Keyboard Actions**

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| Name | Description | Zap Actions |
| Image based Click | Click on clip image | 1. Image Click |
| Click on Image and Write Text | Click on clip Image and write text on that image | 1) Image Click Type |
| Global Key Press | Automate Keyboard keys | 1) Global Key Press |
| Global Mouse Click | Mouse click on selected element | 1) Global Mouse Click |

1. **Nested Function Call**

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| Name | Description | Zap Actions |
| Nested call functionality | Nested Function call: one function can call another which in turn can call another. | 1. Run Zappy Task |

1. **Create Variables, ForLoops, DecisionNodes, Compare String and For Each Loop**

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| Name | Description | Zap Actions |
| Variable Declaration | variable will hold its value throughout the lifetime of an automation | 1. Variable 2. Set Variable Value |
| For Loop | Automation is executed a specific number of times | 1. For Loop Start |
| Decision Node | Based on the result, it either follows the true or the false path | 1) Decision Node |
| Compare Text | Check two string are equal or not | 1) Compare Text |
| For Each Loop Start | Automation is executed at infinite times | 1. For Each Loop Start 2. Input Box 3. Split Text 4. Message Box |

1. **Document Manipulation**

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| Name | Description | Zap Actions |
| Merge PDF | Combine multiple PDF | 1) Select Folder  2) Get Files In Directory  3) Combine String  4) Merge PDF |
| Word To PDF | Convert word document into PDF | 1) Select File  2) String Replace  3) Convert Word To PDF File |
| PDF To Word | Convert PDF into word file | 1) Select File  2) Convert Pdf To Word File |

1. **Run C#, VB, Java, CMD, and Python Code**

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| --- | --- | --- |
| Name | Description | Zap Actions |
| C# | We can write and execute C# script in Zap | 1. Run Script |
| VB | We can write and execute VB script in Zap | 1. VB Run Script |
| Java | We can write and execute Java script in Zap | 1. Run Java Code |
| Python | We can write and execute Python script in Zap | 1. Run Python Script |
| CMD | We can write and execute CMD command in Zap | 1. Run CMD Scripts |