

## Reflective Diary Template

Group Number: 17

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| Full Name   | Roopesh Kumar Ramesh   |
| Role in group:  | Programmer   |
| Role responsibilities:  | Found 4 regular expressions<br>a. patent_kind<br>b. number_of_claims<br>c. citations_examiner_count<br>d. abstract<br>Wrote code to write json |
| Contribution to Group:  | Found regular expression, writing to json and helped with documentation  |
| Learnings from Project  | Regular expressions, json formatting, csv formatting, pandas   |
| Learning Techniques   | Hands on learning  |
| What went well  | Everything   |
| What went wrong?  | Regex took time  |
| Resolution to solve issues:   | Spent more time  |
| <b>Overall Conclusion:</b><br><br><b>How would you do it, if asked to do it again?</b><br><br>Would add individual entries to dataframe instead of all at once. |  |

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| Full Name   | Nikita Mary John  |
| Role in group:  | Contributed to the writing of the program, methodology and documentation  |
| Role responsibilities:  | <ol style="list-style-type: none"> <li>1. Extracting the following from the input file: <ol style="list-style-type: none"> <li>a. grant_id</li> <li>b. patent_title</li> <li>c. citations_applicant count</li> <li>d. inventors</li> <li>e. claims_text</li> </ol> </li> <li>2. Created the dataframe and wrote to csv</li> </ol> |
| Contribution to Group:  | Completed the above tasks to the best of my ability.  |
| Learnings from Project  | Was able to learn more about regular expressions and finding patterns in text files. Also learnt about the formats of other files such as csv and json.   |
| Learning Techniques   | Was able to utilize the lecture notes and tutorials in order to learn and understand how to apply various concepts. Also learnt a lot in the process of writing the program.  |
| What went well  | Was able to find patterns in the text easily.   |
| What went wrong?  | It took some time to understand the format of the input txt file and figure out where the required data was located. But this was resolved pretty quickly.  |
| Resolution to solve issues:   | Allocate more time to understanding the input format.   |
| <b>Overall Conclusion: Thoroughly enjoyed working on this assignment. It enabled me to think about various aspects and outcomes of the code and how I could improve it.</b><br><br><b>How would you do it, if asked to do it again? Would go about writing the program the same way, but would spend more time in understanding alternate and more efficient ways of extracting the data.</b> |   |