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| Spring 2020: Programming Fundamentals Project Evaluation | |  |
| Student Information | |  |
| Name: Faria Eman | |  |
| Roll#: i19-0634 | |  |
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| **Evaluation Rules:**  Assign yourself full marks if you claim a complete implementation of the given Question.  Assign yourself zero marks if you have missed the implementation of the given Question. | |  |
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| **Sr#** | **Self Evaluation Sheet** |  |
| 1 | Correct function writing **(atleast 12 functions)** | 20 /20 |
| 2 | Comment Each Function: Comment should include the reason that why you chose them as function and what problem they will solve | 15 /15 |
| 3 | Code quality (over all comments, indentation, new lines etc.) | 2.5 /2.5 |
| 4 | Correctly following the submission instructions | 2.5 /2.5 |
| 5 | Reading File | 5 /5 |
| 6 | Grid, sec - array & nei array creation and filling with required live and dead cell (Read from file) | 5 /5 |
| 8 | Cell Insertion in sec -array & nei - array (duplication not allowed) Algorithm should be same as provided in the description | 15 /15 |
| 9 | Cell Deletion in sec -array & nei - array (Algorithm should be same as provided in the description) | 15 /15 |
| 10 | Finding live cells using sec - array | 5 /5 |
| 11 | Neighborhood (finding neighboring cells dead or alive ) | 15 /15 |
| 12 | Filling dead neighbores to nei - array | 15 /15 |
| 13 | For both arrays (sec - array & nei - array) : Count of live neighbores using sec - array | 20 /20 |
| 15 | Implementation of Game of life Rules | 20 /20 |
| 16 | Updation Generation Count | 2 /2 |
| 17 | Update sec - array after each generation [using Insertion (Sr# 8) , Deletion (Sr#9) and Game of life Rules (Sr#15)] | 30 /30 |
| 18 | Update Grid after each generation | 3 /3 |
| 19 | Display Grid | 5 /5 |
| 20 | File Writing | 5 /5 |
| 21 | Bonus: Dynamic growth | /30 |
| 22 | Plagiarism deduction | -200% |
|  | **Total** | 200 |
| **Student Name:** Faria Eman  **Roll#: i190-634** | |  |
| **To be filled by the evaluator** | |  |
| **Evaluator's Name: Faria Eman**  **Evaluator's Comments:** | | |