|  |  |  |
| --- | --- | --- |
| **Variable** | **Data Type** | **Usage / Meaning** |
| run | Boolean | To indicate whether |
| new\_username | String | Username entered by user to register |
| new\_password | String | Password entered by user to register |
| username | String | Username entered by user to login |
| password | String | Password entered by user to login |
| check | Boolean | Loop for the program to keep running |
| selection | Integer | User’s input to select the options |
| counter | Integer | To keep track of how many times equivalent values are added in loops |
| num\_subject | Integer | Number of subject that user input |
| name\_subject | String | Name of subject that user input |
| grade\_subject | Sting | Grade of subject that user input |
| credithour\_subject | Integer | Credit hour of subjects that user input |
| point | Real number | Point of a certain grade |
| i | String | Items in a list/array |
| sum\_of\_mul | Real number | Sum of multiplication of user’s grade point and user’s credit hour |
| mul\_of\_upuc | Real number | multiplication of user’s grade point and user’s credit hour |
| num\_trimester | Integer | Number of trimester |
| c\_h | Integer | Credit hour |
| g\_p | Real number | Grade point |
| user\_subject | String | Array/List for saving name\_subject |
| user\_grade | String | Array/List for saving grade\_subject |
| user\_credithour | String | Array/List for saving credithour\_subject |
| user\_point | String | Array/List for saving  point |

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |