**DAILY ASSESSMENT FORMAT**

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| **Date:** | **19/06/2020** | **Name:** | **GOURI R S** |
| **Course:** | **C-PROGRAMMING** | **USN:** | **4AL18EC016** |
| **Topic:** | **1.structures and unions.** | **Semester & Section:** | **4th sem A section** |
| **Github Repository:** | **gouri-rs** |  |  |

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| **FORENOON SESSION DETAILS** | | | |
| **Image of session** | | | |
| **Report :**  **Difference between Structure and Union in C. A structure is a user-defined data type available in C that allows to combining data items of different kinds. Structures are used to represent a record. A union is a special data type available in C that allows storing different data types in the same memory location.**  **Structure and union both are user defined data types which contains variables of different data types. Both of them have same syntax for definition, declaration of variables and for accessing members. ... In union, the total memory space allocated is equal to the member with largest size.** | | | |
| **Date:** | **19/06/2020** | **Name:** | **GOURI R S** | |
| **Course:** | **C-PROGRAMMING** | **USN:** | **4AL18EC016** | |
| **Topic:** | **memory manegement** | **Semester & Section:** | **4th sem A section** | |
| **Github Repository:** | **gouri-rs** |  |  | |

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| **AFTERNOON SESSION DETAILS** |
| **Image of session** |
| **Report :**  **Memory management: C dynamic memory allocation refers to performing**  **manual memory management for dynamic memory allocation in the C programming language via a group of functions in the C standard library, namely malloc, realloc, calloc and free. [12]3]**  **The C++ programming language includes these functions; however, the operators new and delete provide similar functionality and are recommended by that language's authors. 4 Still, there are several**  **situations in which using new/delete is not**  **applicable, such as garbage collection code or**  **performance-sensitive code, and a combination of malloc and placement new may be required instead of the higher-level new operator.** |