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| **Sector :** ICT & MULTIMEDIA | **Sub-sector:** Computer system and architecture | | | **Date : 15th Oct 2025** | |
| **Lead Trainer’s name :** TUYISINGIZE Leonard | | | | **TERM :** I | |
| **Module(Code&Name):** GENCP 401 Apply C programming | **Week : VI** | | **No. Trainees:** 35 | **Class:**1 | |
| Learning outcome: | 2.Write C Programming codes | | | | |
| **Indicative contents:** | 2.3 Application of loops | | | | |
| **Topic of the session:** Use of Do while loops in C program | | | | | |
| **Range:**   * Use of while loop in C | **Duration of the session:** 40min | | | | |
| **Objectives: By the end of this session every learner should be able to:**   1. Understand the syntax and basic structure of the **do while** loop in C programming. 2. Demonstrate proficiency in implementing **do while** loops to execute a block of code repeatedly until a specified condition is met. 3. Apply **do while** loops in practical programming exercises to reinforce comprehension and problem-solving skills. | | | | | |
| **Facilitation technique(s):** Trainer-guided | | | | | |
| **Introduction** | | **Resources** | | | **Duration** |
| **Trainer’s activity:**   * Greets and Make roll calls * Involves the learners to set the ground rules * Involves learners to review the previous session * Announces the topic of the session. * Explains objectives of the session   **Learner’s activity:**   * Greets and Reply to the roll call. * Participate and set the ground rules * Participate to review the previous session * Read and participate in explaining the objectives of the session * Ask clarifications about the topic the session and objectives of the session if any. | | * Attendance sheet * PPT * Projector * Computers * blackboard * pen | | | 5 minutes |
| **Development/Body** | | | | | |
| **Trainer’s activity:**   * Trainer explain and demonstrate the syntax of if condition in C. * Trainer give one example of using if in c program by writing the codes * Trainer gives an individual practice whereby Learners will repeat the same steps as the trainer did in pairs. * Trainer monitors (guides) pair performance of learners * Trainer explain and demonstrate the syntax of of if…. else condition in C. * Trainer give one example of using if……else in c program by writing the codes * Trainer gives an individual practice whereby Learners will repeat the same steps as the trainer did in pairs. * Trainer monitors (guides) pair performance of learners   **Learner’s activity:**   * Learners make observations, Follow what he is doing, then write down steps and then ask questions if they are. * Learners also make observations, Follow what he is doing, then write down steps and then ask questions if they are. * Learners work in pairs to repeat the codes writing about if in C program. * Learners keep on doing the practice * Learners make observations, Follow what he is doing, then write down steps and then ask questions if they are. * Learners also make observations, Follow what he is doing, then write down steps and then ask questions if they are. * Learners work in pairs to repeat the codes writing about if in C program. * Learners keep on doing the practice | | * Computer * projector, * PPT * IDE * chalks | | | 25  minutes |
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| **Conclusion** | | | | | |
| **Summary:**  The trainer involves the learners to summarize the session by asking questions reflecting on the learning objectives.  The learners summarize the session as by responding to asked questions. | | * Computer * projector | | | 3 minutes |
| **Assessment/Assignment**  **Trainer’s activity:**   * Trainer gives learners questions related to session. | | Assessment sheets | | | 5 minutes |
| **Evaluation of the session:**  **Trainer’s activity:**   * Trainer involves learners in the evaluation of the session by asking some question like how was the session? what to improve next time? ,etc * The trainer links the current session to the next one.   **Learner’s activity:**   * Learners answer to the questions. * Learners understanding what they will cover in next session. | | Self-assessment form | | | 2minutes |
| **References:** Bibliography 1. https://www.geeksforgeeks.org/decision-making-c-cpp/  2. https://w3schools.com/c/c\_conditions.php  3. https://www.guru99.com/c-if-else-statement.html | | | | | |
| **Appendices:** PPT, Task Sheets, assessment, Answer sheets | | | | | |
| 1. **Reflection :** | | | | | |