Lesson Plan: (insert Course Name and/or Topic)

Lesson Plan Introduction:

Write an introduction to the lesson plan in paragraph format (maximum 2 paragraphs).
This includes a description of each of the following:

- Lesson objective (What the students will be able to do)
- Where this course is located within a specific program
- Where this lesson is located within this course
- What came just before this lesson and what will come after
- Possible accommodations required for learners in order to ensure an inclusive classroom
- Your back-up plan in case required technology/equipment and/or resources are not available

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This course is Programing Language with C++ for first year students of computer science in week four. By the end of this lesson students will be able to:

- Use If statements in C++ programing language.
- Apply If – else statements in a C++ program.
- Use Nested if...else in a hybrid project.

Previous session, the Students learned about relational ,Boolean functions and operators in compound terms and Priority of operators. Next session, after this session they will learn "While Loop".

In order to being sure that all student be able to learn the lesson effectively, the variety of strategies have been applied such as discussion, group working, case study, Problem base learning, use of video, verbal and written instruction, extra handout and slide posted in advance.

Regarding to some problems which may happen in the class, many back up plans have been considered including having all necessary materials on USB and email and Cellphone with internet package, copying the students' handouts at least two days before, carrying personal laptop with all resources and accessories, Having the prints of all materials, resources and lesson plan, access to various or similar link of the desired video, access to online link to compile and run the C++ Program for executing program by students' phones.

Outcome(s):

Stage 1: MOTIVATION
(If you are using the same topic from your Motivational Activity, modify it according to your feedback and/or try a different strategy.)

Time	Objective(s)	What the teacher will do	What the students will do	Resources (handouts, weblinks, pwrpts, etc.)	Informal Assessment (how will the teacher know what the Ss already know or what they don't know?)
13 Min	The students should be understand the advantages of using C++	0- Greeting and welcoming (1min) 1-The instructor distributes a prepared handout that contains four questions about the video. 1-Instructor will show a video clip about the importance of learning C++. This will help the instructor to encourage or motivate students to make students more passion for learning C++ 2- Instructor wants the students to answer the handout's questions individually then they discuss about the answers in their groups. (Before the groups should be determined)(1min) Eventually, instructor ask from each group about one question and explains about video' key points. (3Min)	1-Students read the handout's questions before watching video. (1Min) 2- Students watch the video carefully. (2 Min) 3-Students answer the questions individually. (2 Min) 4-discuss about their answers in their group. (2 Min)	Slids Handout Video	At the end of activity motivation, the instructor asks about the answer of one question from each group. So, she/he find out the amount of information that students have received. This is a formative assessment

Stage 2: COMPREHENSION

Time	Objective(s)	What the teacher will do	What the students will do	Resources(handouts, weblinks, pwrpts, etc.)	Informal Assessment (how will the teacher know the students are learning)
(7 Min) 8 min (3min)	By the end of this lesson students will be able to: • **understand the If statements in C++ programing language. (Overal=30 Min)** • undrestant the consept of If – else statements in a C++ program. (overall=20 min) • understand Nested if...else in a hybrid project. (overall=10 min)	1-Firstly, instructor asks a question if they have any real life example of conditional situations. (2 min) 2- Instructor teaches "If statement" by lecturing four slides. (3 min) •Its relation with daily life (connection) •Explaining verbally (Audible) •Pictorial flowchart (visualize) •Written description in slide (readable) So, Instructor accommodates all type of learners and creates an inclusive class. 3-Instructor shows to students an example. This practice is practical and show them the result of the program in C++ (2 min) ----------------------------------- 1-Instructor teaches "If statement" by lecturing four slides. (3 min) 2-Write an example in C++ software. (5 min) 1-Instructor teaches "If statement" by lecturing four slides. (3 min)	1- Students answer the question about daily life experiences as volunteer. 2-Students learn the well-structured concept of "if Statements" during 3 minute lecturing in various type of slides (visualize, readable --------------------------------- 1- Students listen carefully to If – else statement. ------------------------------ 1-Students listen carefully to lecture about Nested if...else statement within 3 min.	Slides Weblink in C++	By answering the first question about their daily life experiences, instructor know, How much they already know about If statements in C++ During the 3 mimute lecturing, instructore can have a small question to being sure that students are listening carfully as a formative assessment. During, the showing example, instructor ask if the students can guess the output of this sample program in C++ software. In deed, by this short question and answer (Q&A) instructor have the kind of formative evaluation.

Stage 3: PRACTICE

Time	Objective(s)	What the teacher will do	What the students will do	Resources (handouts, weblinks, pwrpts, etc.)	Informal Assessment (how will the teacher know the students are learning)
(5 min) (3min)	**Practice If statements in C++ programing language.**	1- Instructor, indicates a question in group for sorting the instructions of a program (3 min) 2-Instructor, ask a question individually about output of a program. This Program is shown in screen and has printed for students as well.(2 min)	Students in group attempt sort the instruction in proper order. Students answer to the praperd program indivudually	Slides Weblink in C++	By asking a question in group, instructor evaluate the amount of students' perception. This is a formative assessment. By asking a question individually, instructor knows if student have learned the subject correctly. This is kind of summative assessments.
	Practice If –else statements in C++ programing language.	Instructore practice If – else statements by given them an example in C++	Students practice If – else by writing a given example by instructor in C++ software within determined time.		Overall, each practice which is coach by instructor is kind of formative assessment.
	Practice Nested If –else statements in C++ programing language.	Instructor wants the students write an run an equation example in group (3min)	Students practice and run the equation example in group in determined time.		

Stage 4: APPLICATION

Time	Objective(s)	What the teacher will do	What the students will do	Resources	Informal Assessment (how will the teacher know the students are learning)
(5 min) 12min 4 min	**By the end of this lesson students will be able to:** ------------------ 1-Use If statements in C++ programing language. 2-Apply If – else statements in a C++ program. 3-Use Nested if...else in a hybrid project.	Finally, Instructor show a more challenging program and wants students write it individually in real C++ software (5 min) Ask students write a program individually for determining odd and even number. (12 min) Ask students write a program in groups for week days(4 min)	Students run the program individually in specific time(5min). Students run the program about odd or even number individually in specific time(12min). Students write a program in group for week days in 4 minute.	Slides Weblink in C++	By doing a program in C++ software practically, instructor knows exactly if individuals have learned the subject matter correctly. This is a formative assessment as well. This group working is kind of formative assessment as well. This group working is kind of formative assessment as well.