Mr Long
Video Education

Grade: **10**
Subject: **Information Technology**

Version: **Beta**
Topic: **Conditional Loops**

Mr Long Student Guide ON CONDITIONAL LOOPS

Content to be covered

- ✓ While loop
- ✓ Repeat loop
- ✓ ITC Principle
- ✓ Examples
- ✓ Nested loops

Getting Started

Make sure you have the following ready:

- ✓ Have a device that accesses the Internet in order to download the exercises and to watch the video content.
- ✓ Download the **Grade 10 IT – Conditional Loops Content** from the following link:
  https://tinyurl.com/MLE-G10IT-ConditionalLoops
  This folder should contain
  - ▪ 4 x Exercise folders
  - ▪ 1 x Final Challenge folder
  - ▪ 1 x Mr Long Student Guide pdf *<THIS DOCUMENT>*
  - ▪ 1 x Mr Long Summary pdf
  - ▪ 1 x Mr Long Exercises pdf
- ✓ If you are accessing the videos via a smart phone or tablet, we recommend you use a QR scanner to scan the QR code
  QR Scanner apps are normally freely available to download if you do not have one

Let's Learn

#	Action	Resources
👁	WATCH **Conditional Loops Part 1** **Introduction**	👁 Scan QR code *OR* 👁 Click on link https://youtu.be/NBurr5mJ1Ys
👁	WATCH **Conditional Loops Part 2** **ITC Principle**	👁 Scan QR code *OR* 👁 Click on link https://youtu.be/MgcYDb4krFU

#	Action	Resources
🛠	PRACTICE Complete Question 1.1 – 1.5 of ***Exercise 1***	🛠 Open Project1.dpr in Delphi 🛠 Instructions are on pages 1 & 2 of the ***Conditional Loops Exercises*** PDF file.
👁	WATCH ***Conditional Loops Part 3 Examples***	👁 Scan QR code *OR* 👁 Click on link https://youtu.be/bM0wtcc75Zk
🛠	PRACTICE Complete Question 2.1 – 2.4 of ***Exercise 2***	🛠 Open Project1.dpr in Delphi 🛠 Instructions are on page 3 & 4 of the ***Conditional Loops Exercises*** PDF file.
👁	WATCH ***Conditional Loops Part 4 Financial Example***	👁 Scan QR code *OR* 👁 Click on link https://youtu.be/WsIg8ouEa0g
🛠	PRACTICE Complete Question 3.1 – 3.3 of ***Exercise 3***	🛠 Open Project1.dpr of ***Q31*** in Delphi 🛠 Instructions are on page 5 – 7 of the ***Conditional Loops Exercises*** PDF file.
👁	WATCH ***Conditional Loops Part 5 Nested Loops***	👁 Scan QR code *OR* 👁 Click on link https://youtu.be/y0GyPfeNoYQ
🛠	PRACTICE Complete Question 4.1 – 4.2 of ***Exercise 4***	🛠 Open Project1.dpr of ***Q41*** in Delphi 🛠 Instructions are on page 8 & 9 of the ***Conditional Loops Exercises*** PDF file.
🎖	***FINAL CHALLENGE*** Complete the ***Final Challenge***	☐ Open Project1.dpr of ***Q1*** in Delphi ☐ Instructions are on page 10 – 12 of the ***Conditional Loops Exercises*** PDF file.

Review

Open the *Mr Long Summary* pdf file and revise all the content. If there were any exercises you struggled with, then use the summary to see if it can help you complete the exercises.

Personal Reflection

Using either the table below or our own table on paper, indicate which concepts you find:
- **Confident** (understand FULLY and able to complete related exercises)
- **Comfortable** (understand a bit and can complete some of the related exercises)
- **Struggling** (you don't understand the concept and/or cannot complete the related exercises)

Confident	Comfortable	Struggling

Suggestions

For any work you are struggling with, we recommend you re-watch the relevant videos. If you are still unsure about the content, refer to your textbook or school notes to help you and/or ask a teacher or fellow student for help.
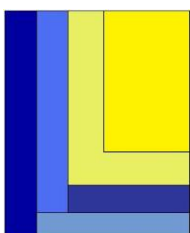
Don't be afraid to ask for help.

END OF CONTENT

Please help us by filling out a quick review of this presentation. Link is below

tinyurl.com/MLE-G10IT-ConditionalLoopsRev

Additional Links:
- Youtube video playlist:
  https://www.youtube.com/watch?v=NBurr5mJ1Ys&list=PLxAS51iVMjv-rGgtTMpzUzVEFMqj2Zcjb
- Google drive resource activities:
  https://tinyurl.com/MLE-G10IT-ConditionalLoops

For more IT related material find us on:

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