

Mr Long ON FOR LOOPS

Student Guide

Content to be covered

- ✓ For loops
- ✓ *Downto* operator
- ✓ Examples
- ✓ Sum and count values
- ✓ Nested for 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 – For Loops Content** from the following link:


























<https://tinyurl.com/MLE-G10IT-ForLoops>







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 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

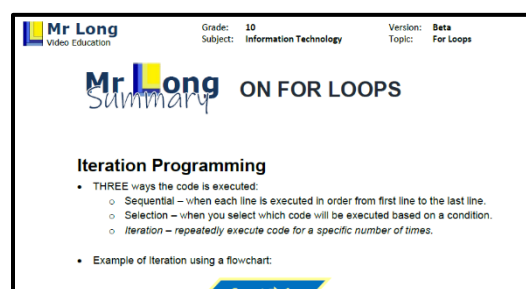
#	Action	Resources
	DISCOVER Do you know how to use a Memo or Rich Edit control in Delphi? If you don't, then watch the following video to discover how. You will need to know how to use them for the examples explained in this module.	 <ul style="list-style-type: none"> 🔑 Scan QR code OR 🔑 Click on link https://youtu.be/3PF2RNcd5E8
	WATCH For Loops Part 1 Introduction	 <ul style="list-style-type: none"> 👁 Scan QR code OR 👁 Click on link https://youtu.be/Gx7lUiWF0pl

#	Action	Resources
	WATCH <i>For Loops Part 2 Examples</i>	  Scan QR code <i>OR</i>  Click on link https://youtu.be/BA-dskgQt0
	PRACTICE Complete Question 1.1 – 1.5 of <i>Exercise 1</i>	 Open Project1.dpr in Delphi  Instructions are on page 1 of the <i>For Loops Exercise</i> PDF file.
	WATCH <i>For Loops Part 3 Sum, Count and Prime Example</i>	  Scan QR code <i>OR</i>  Click on link https://youtu.be/NiQMonQY758
	PRACTICE Complete Question 2.1 – 2.4 of <i>Exercise 2</i>	 Open Project1.dpr in Delphi  Instructions are on page 2 & 3 of the <i>For Loops Exercise</i> PDF file.
	WATCH <i>For Loops Part 4 Financial Example</i>	  Scan QR code <i>OR</i>  Click on link https://youtu.be/uq2Bo4l88s4
	PRACTICE Complete Question 3.1 – 3.3 of <i>Exercise 3</i>	 Open Project1.dpr in Delphi  Instructions are on page 4 & 5 of the <i>For Loops Exercise</i> PDF file.
	WATCH <i>For Loops Part 5 Nested For Loops</i>	  Scan QR code <i>OR</i>  Click on link https://youtu.be/HiaSROvDjCM

#	Action	Resources
	PRACTICE Complete Question 4.1 – 4.2 of <i>Exercise 4</i>	 Open Project1.dpr in Delphi  Instructions are on page 6 of the <i>For Loops Exercise</i> PDF file.
	<i>FINAL CHALLENGE</i> Complete the <i>Final Challenge</i>	 Open Project1.dpr in Delphi  Instructions are on page 7 – 10 of the <i>For Loops Exercise</i> 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.

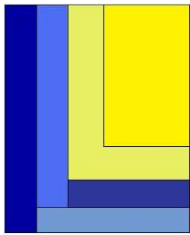
END OF CONTENT

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

tinyurl.com/MLE-G10IT-ForLoopsReview

Additional Links:

- Youtube video playlist:
<https://www.youtube.com/watch?v=Gx7lUiWF0pI&list=PLxAS51iVMjv8PgHNprN6kISTUgOO4AhD>
- Google drive resource activities:
<https://tinyurl.com/MLE-G10IT-ForLoops>



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