<https://ati.ttu.ee/~lembit/prog1/>

**KASUTAMISJUHEND**

*Antud loengute sari on lindistus koroonaaegsetest tundidest aastal 2021 kolleeg Lembit Jürimäe poolt.*

*Kuna kõik loengud on sisuliselt tundide salvestus, siis nende vaatamine kogu mahus on ajamahukas. Kindlasti, kui jooksval aastal mõni teema jääb tunnis arusaamatuks või tunnis puudutud - on need lindistused abiks.*

*SOOVITUS:*

*\*Enne igat järgmist tundi vaadata vastava teema lindistus üle.*

*Teemad 1- 11 on kursuses kohustusliku*

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**INSTRUCTIONS FOR USE**

*This series of lectures is a recording of classes during the corona in 2021 by my colleague Lembit Jürimäe.*

*Since all lectures are essentially recordings of classes, viewing them in full is time-consuming. Certainly, if a topic remains incomprehensible or not touched on during the current year, these recordings will be helpful.*

*RECOMMENDATION:*

*\*Before each next lesson, review the recording of the corresponding topic.*

*Topics 1-11 are mandatory in the course*

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1.Sissejuhatus........................ Introduction

 [https://ati.ttu.ee/~lembit/prog1/01.EST(EAAB)\_Sissejuhatus.Algoritmid.20210902.mp4](https://ati.ttu.ee/~lembit/prog1/01.EST%28EAAB%29_Sissejuhatus.Algoritmid.20210902.mp4)

[https://ati.ttu.ee/~lembit/prog1/01.ENG(MVEB)\_Introduction.Algorithms.20210912.mp4](https://ati.ttu.ee/~lembit/prog1/01.ENG%28MVEB%29_Introduction.Algorithms.20210912.mp4)

2.Andmetüübid....................... ..Data types

 [https://ati.ttu.ee/~lembit/prog1/02.EST(EAAB)\_Andmetyybid.C\_keel.20210909.mp4](https://ati.ttu.ee/~lembit/prog1/02.EST%28EAAB%29_Andmetyybid.C_keel.20210909.mp4)

[https://ati.ttu.ee/~lembit/prog1/02.ENG(MVEB)\_Datatypes.C\_Language.20210910.mp4](https://ati.ttu.ee/~lembit/prog1/02.ENG%28MVEB%29_Datatypes.C_Language.20210910.mp4)

3.Kordused...............................Loops

 [https://ati.ttu.ee/~lembit/prog1/03.EST(EAAB)\_Tsyklid.Teegid.20210916.mp4](https://ati.ttu.ee/~lembit/prog1/03.EST%28EAAB%29_Tsyklid.Teegid.20210916.mp4)

[https://ati.ttu.ee/~lembit/prog1/03.ENG(MVEB)\_Loops.Libraries.20210917.mp4](https://ati.ttu.ee/~lembit/prog1/03.ENG%28MVEB%29_Loops.Libraries.20210917.mp4)

4.Indeksite kasutamine, massiivid.........INDEX,ARRAYS

[https://ati.ttu.ee/~lembit/prog1/04.EST(EAAB)\_Massiivid.Maatriksid.20210923.mp4](https://ati.ttu.ee/~lembit/prog1/04.EST%28EAAB%29_Massiivid.Maatriksid.20210923.mp4)

[https://ati.ttu.ee/~lembit/prog1/04.ENG(MVEB)\_Arrays.Matrices.20210924.mp4](https://ati.ttu.ee/~lembit/prog1/04.ENG%28MVEB%29_Arrays.Matrices.20210924.mp4)

5.Tekstitöötlus...................... Text processing

[https://ati.ttu.ee/~lembit/prog1/05.EST(EAAB)\_Tekst.20210930.mp4](https://ati.ttu.ee/~lembit/prog1/05.EST%28EAAB%29_Tekst.20210930.mp4)

[https://ati.ttu.ee/~lembit/prog1/05.ENG(MVEB)\_Text.20211001.mp4](https://ati.ttu.ee/~lembit/prog1/05.ENG%28MVEB%29_Text.20211001.mp4)

6.Sortimised..........................Sorting

 [https://ati.ttu.ee/~lembit/prog1/06.EST(EAAB)\_Sortimine.20211007.mp4](https://ati.ttu.ee/~lembit/prog1/06.EST%28EAAB%29_Sortimine.20211007.mp4)

[https://ati.ttu.ee/~lembit/prog1/06.ENG(MVEB)\_Sorting.20211008.mp4](https://ati.ttu.ee/~lembit/prog1/06.ENG%28MVEB%29_Sorting.20211008.mp4)

7.Arvusüsteemid..................... Numeral Systems

[https://ati.ttu.ee/~lembit/prog1/07.EST(EAAB)\_Arvusysteemid.20211014.mp4](https://ati.ttu.ee/~lembit/prog1/07.EST%28EAAB%29_Arvusysteemid.20211014.mp4)

[https://ati.ttu.ee/~lembit/prog1/07.ENG(MVEB)\_Numeral\_Systems.20211015.mp4](https://ati.ttu.ee/~lembit/prog1/07.ENG%28MVEB%29_Numeral_Systems.20211015.mp4)

8.Alamprogrammid,funktsioonid....Subroutines

[https://ati.ttu.ee/~lembit/prog1/08.EST(EAAB)\_Alamprogrammid.Kalender.20211021.mp4](https://ati.ttu.ee/~lembit/prog1/08.EST%28EAAB%29_Alamprogrammid.Kalender.20211021.mp4)

[https://ati.ttu.ee/~lembit/prog1/08.ENG(MVEB)\_Subroutines.Calendar.20211022.mp4](https://ati.ttu.ee/~lembit/prog1/08.ENG%28MVEB%29_Subroutines.Calendar.20211022.mp4)

9.Juhuslike arvude genereerimine.......Random numbers

[https://ati.ttu.ee/~lembit/prog1/10.EST(EAAB)\_Juhuslikud\_arvud.20211104.mp4](https://ati.ttu.ee/~lembit/prog1/10.EST%28EAAB%29_Juhuslikud_arvud.20211104.mp4)

[https://ati.ttu.ee/~lembit/prog1/10.ENG(MVEB)\_Random\_numbers.20211105.mp4](https://ati.ttu.ee/~lembit/prog1/10.ENG%28MVEB%29_Random_numbers.20211105.mp4)

10.Suunamised.....................................Redirect

[https://ati.ttu.ee/~lembit/prog1/12.EST(EAAB)\_Suunamine.Indeksid.20211118.mp4](https://ati.ttu.ee/~lembit/prog1/12.EST%28EAAB%29_Suunamine.Indeksid.20211118.mp4)

[https://ati.ttu.ee/~lembit/prog1/12.ENG(MVEB)\_Redirect.Indexes.20211119.mp4](https://ati.ttu.ee/~lembit/prog1/12.ENG%28MVEB%29_Redirect.Indexes.20211119.mp4)

11.Failid................................................Files

[https://ati.ttu.ee/~lembit/prog1/13.EST(EAAB)\_Failid.20211125.mp4](https://ati.ttu.ee/~lembit/prog1/13.EST%28EAAB%29_Failid.20211125.mp4)

[https://ati.ttu.ee/~lembit/prog1/13.ENG(MVEB)\_Files.20211126.mp4](https://ati.ttu.ee/~lembit/prog1/13.ENG%28MVEB%29_Files.20211126.mp4)

12.Makrod............................................Macros

[https://ati.ttu.ee/~lembit/prog1/14.EST(EAAB)\_Makrod.Rakenduse\_parameetrid.20211202.mp4](https://ati.ttu.ee/~lembit/prog1/14.EST%28EAAB%29_Makrod.Rakenduse_parameetrid.20211202.mp4)

[https://ati.ttu.ee/~lembit/prog1/14.ENG(MVEB)\_Macros.Command-line\_parameters.20211203.mp4](https://ati.ttu.ee/~lembit/prog1/14.ENG%28MVEB%29_Macros.Command-line_parameters.20211203.mp4)