

**SilverCoders** EMPOWERING SENIORS

DIGITAL LITERACY IMPROVEMENT THROUGH EFFECTIVE

LEARNING EXPERCIENCES FOR ADULTS

# Challenge 12 AUDIO EDITING

ERASMUS+ No. *2020-1-SE01-KA227-ADU-092582*

**CODING TRAINING PROGRAMME FOR +55 ADULTS**



STRUCTURE OF THE CHALLENGE

## DESCRIPTION

The trainees will first learn about audio editing and then discover tools that will allow them to do it themselves.

They will learn how to use Audacity, an audio editing software, and will perform certain actions manipulating an audio file.

## GENERAL GOAL

Learn how to use tools in order to edit audio files.

## LEARNING OBJECTIVE

Understanding what audio editing is.

Finding tools to do audio editing.

Using specific software to perform audio editing actions.

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| INSTRUCTIONS |

**AUDIO EDITING**

What is Audio Editing?

Find out what audio editing is.

<https://www.mediamusicnow.co.uk/information/glossary-of-music-production-terms/audio-editing.aspx>

<https://www.audioshapers.com/blog/what-is-audio-editing.html>

How to do Audio Editing?

Search for available audio editing tools.

Download and install Audacity, the most popular free to use software for audio editing.

Learn more about the user interface of Audacity.

<https://www.audacityteam.org>

<https://manual.audacityteam.org/>

Editing an Audio File

Find an audio file of human speech or record one yourself, if you have a microphone.

Import the audio file into Audacity.

Look at the waveform and zoom in or out to see it in detail.

Listen to the imported audio and use the different actions to control the playback.

Try to find parts of the audio that aren’t clear and highlight them. Those parts contain what is called noise.

Use the Effects selection of Audacity to remove the noise.

Highlight the whole clip and apply the Normalisation effect to the audio file

Highlight the whole clip and apply the Equalisation effect to the audio file.

Highlight the whole clip and apply the Compressor effect to the audio file.

Experiment with different effects and alter their parameters.

Export the resulting file.

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| RESOURCES |
| EDITING AN AUDIO FILE  <https://www.youtube.com/watch?v=aCisC3sHneM>  <https://manual.audacityteam.org/man/tutorial_editing_an_existing_file.html>  AUDIO EDITOR ALTERNATIVE  <https://audiomass.co/> |

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| QUIZ |

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| 1. **Noise in audio cannot be fixed.**   (yes/**no**)  Feedback: Audacity offers a lot of tools to fix noise. |
| 1. **Which one of them manipulates the sound my frequency?** 2. Normalisation 3. Compressor 4. **Equalisation** |
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