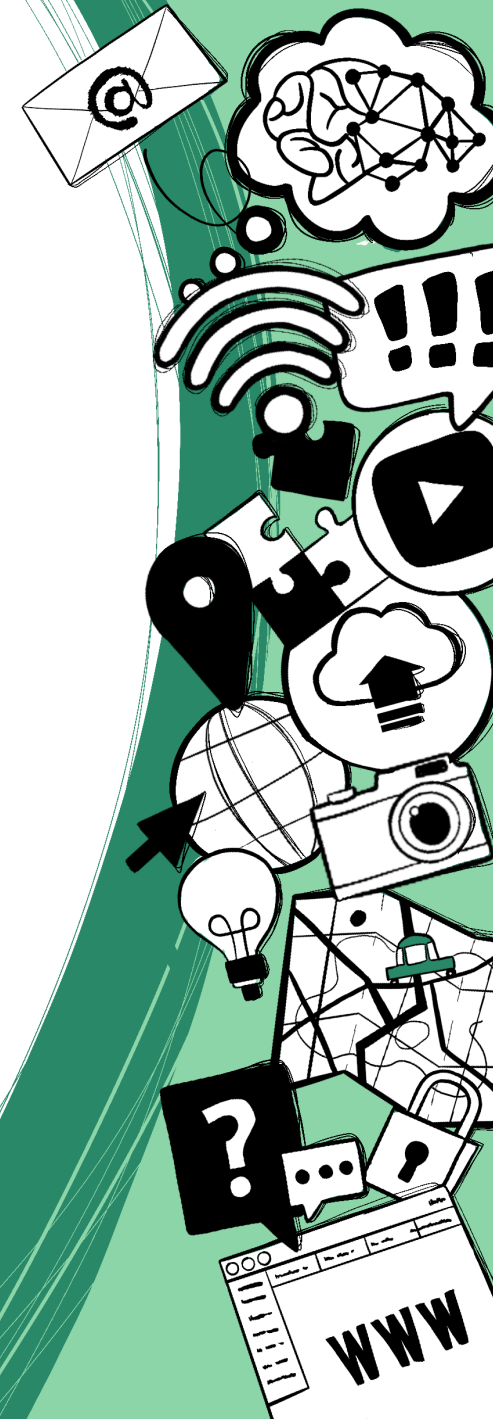


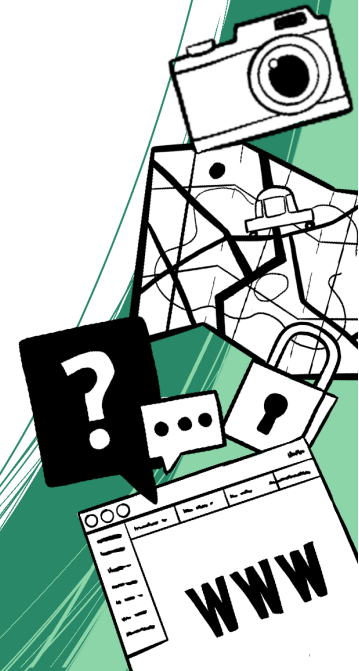
# Deepfakes



## Video 1: Barack Obama

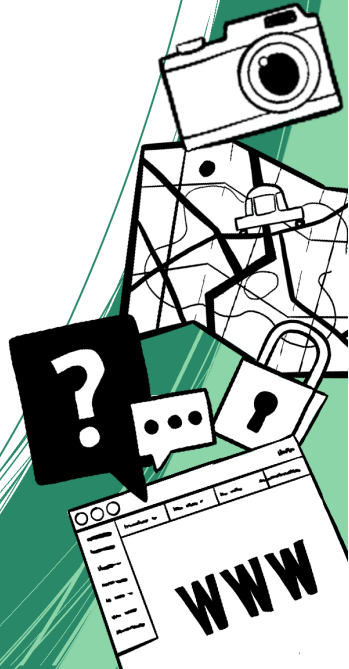


Link: [https://www.youtube.com/watch?v=cQ54GDm1eL0&t=27s&ab\\_channel=BuzzFeedVideo](https://www.youtube.com/watch?v=cQ54GDm1eL0&t=27s&ab_channel=BuzzFeedVideo)



**Check out the videos below.  
Which are **real** and which are **fake**?**

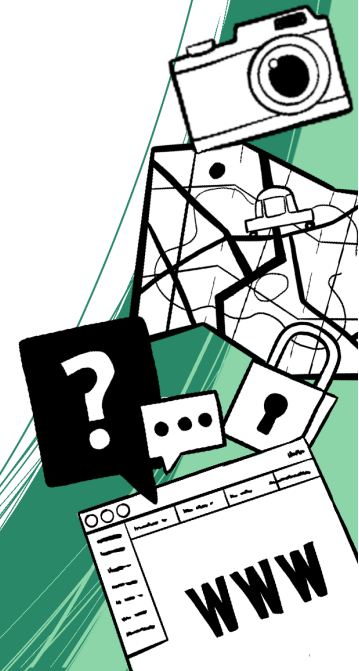
**Make a list and note which videos you think have been manipulated.**



**Do you recognize the deepfakes?  
(Test starts at 05:15)**



Link: [https://www.youtube.com/watch?v=qj5LqiSabP4&ab\\_channel=LICHTCATCHTOBY](https://www.youtube.com/watch?v=qj5LqiSabP4&ab_channel=LICHTCATCHTOBY)



## Solution of the quiz

Video 1 - **real**

Video 2 - **fake**

Video 3 - **real**

Video 4 - **real**

Video 5 - **real**

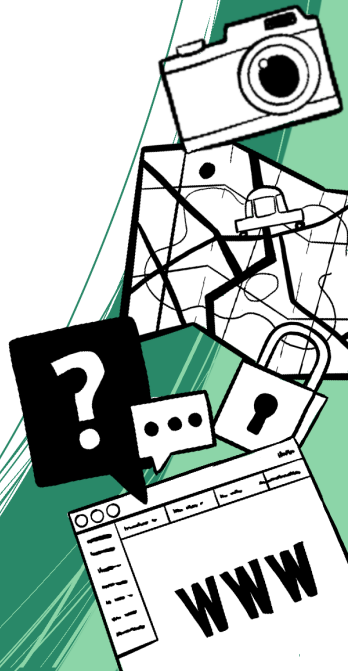
Video 6 - **fake**

Video 7 - **real**

Video 8 - **real**

Video 9 - **fake**

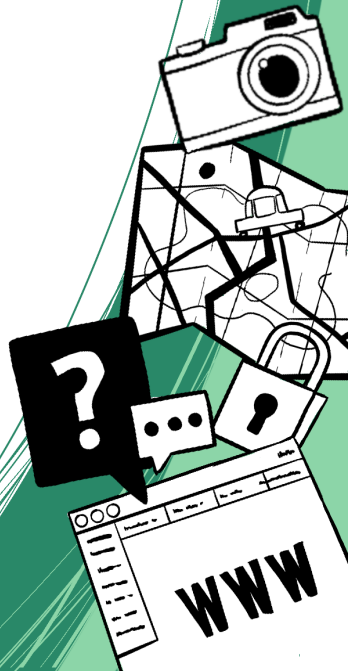
Video 10 - **real**





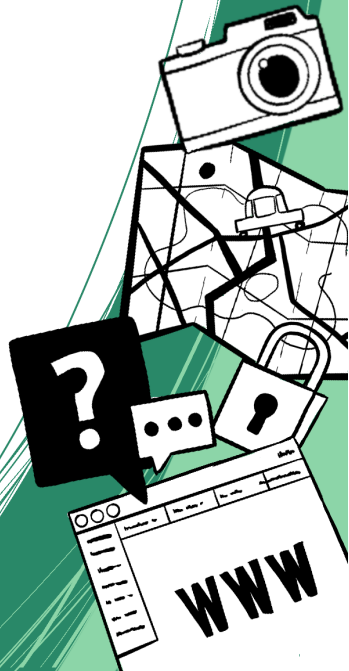


Link: [https://www.youtube.com/watch?v=jCQ-UwSqn8E&ab\\_channel=KarolyHamza](https://www.youtube.com/watch?v=jCQ-UwSqn8E&ab_channel=KarolyHamza)



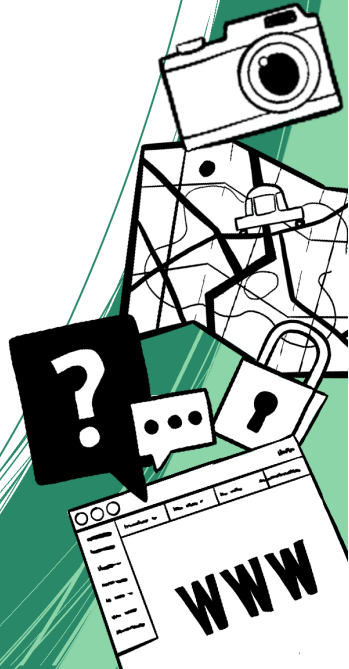
**Collect everything you can think of about the term "fake".**

**Where do you encounter fakes in everyday life? When do you use the term "fake"?**



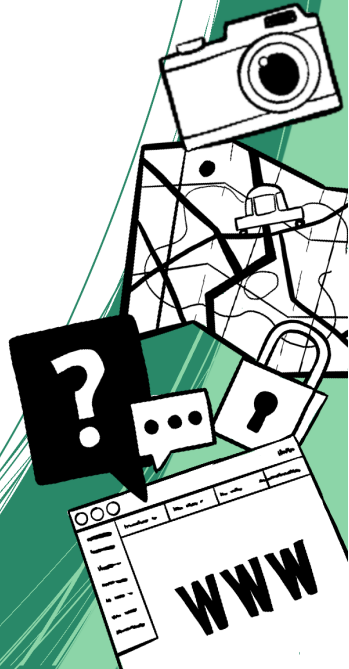
**Fake** = falsification; Dizziness; something invented; something staged

**fake something** = misrepresent something, falsify; appear under a false name





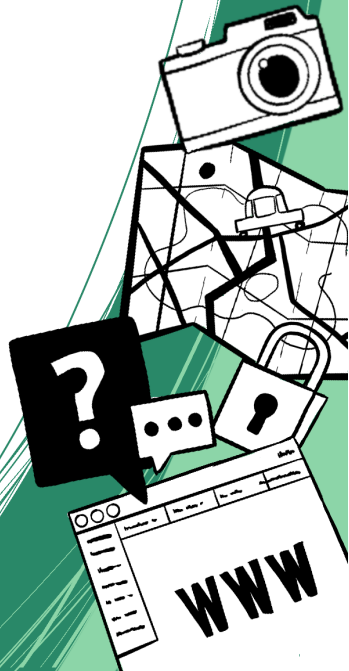
# And what are **deepfakes**?



**Deepfakes** are **manipulated or artificially generated sound or image media**, which, however, look real.

They show people who seem to say or do something but have never said or said.

Deepfakes are created **with artificial intelligence**, such as machine learning and deep learning.

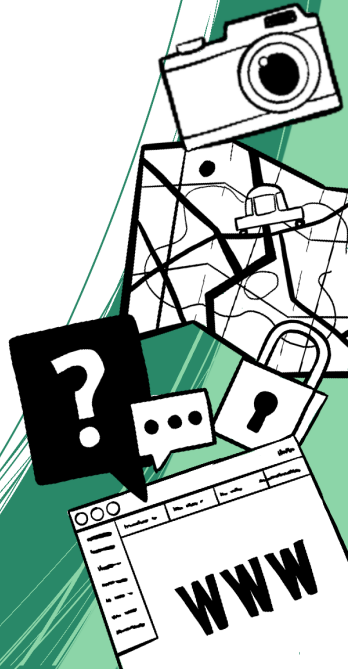




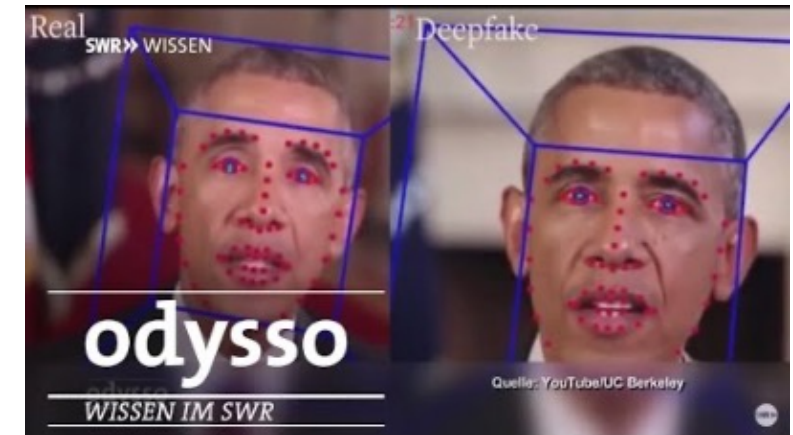
# Research task

Watch **1–3 videos** from the list below!

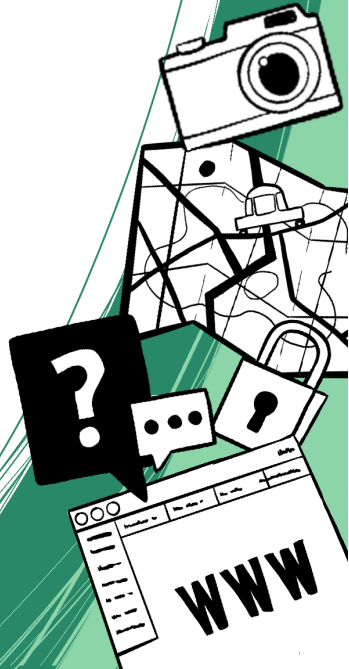
Write down **information about deepfakes** that seem important to you (definitions, examples, risks, etc.)!



# Research task

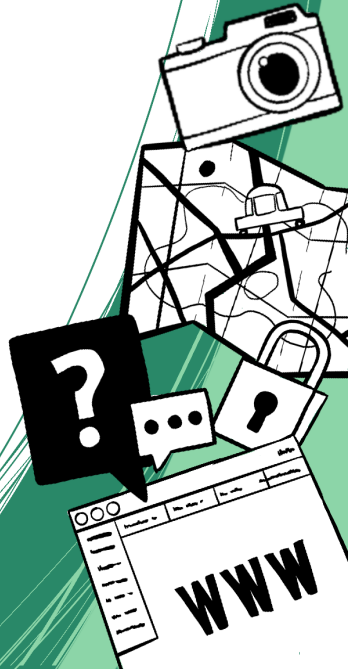


# How do you **create deepfakes** and what **technical knowledge** is required?



# How to create deepfakes?

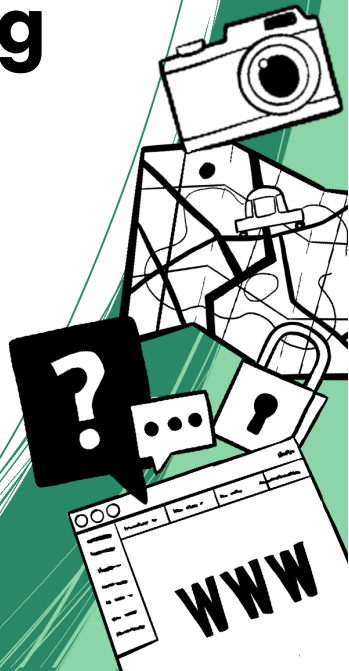
- **Generative Adversarial Networks (GANs):** analyze images to create new images of comparable quality
- **Autoencoders:** extract information about facial structures from images and use this information to model a new facial expression





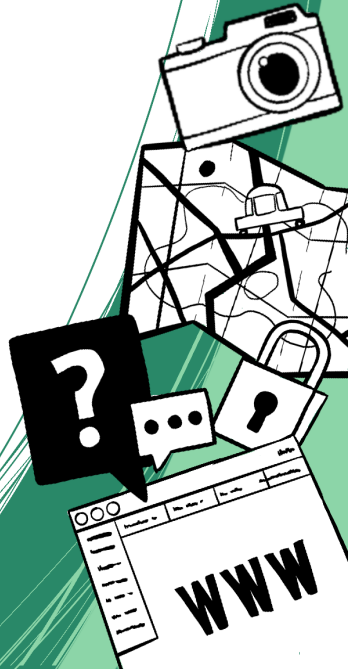
**Think in small groups and collect **examples**:**

- ➔ **Who **benefits** from deepfakes? Who do they harm?**
- ➔ **What **risks** do they entail?**
- ➔ **How can deepfakes influence our opinion-forming**
- ➔ **Think about **strategies**: how can manipulative deepfakes be **exposed**?**
- ➔ **Who could do anything about deepfakes on a political and legal level?**



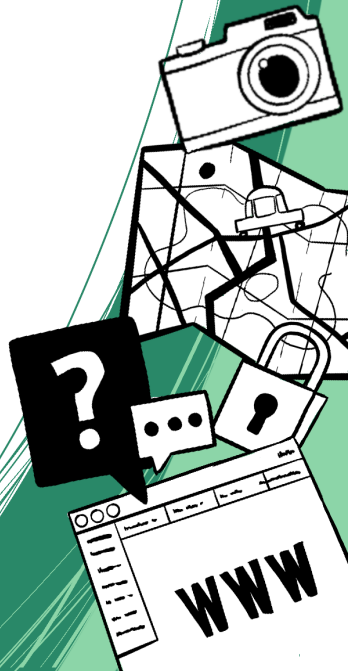
**What do you think?**

**Can deepfakes even be legal?**



# Can deepfakes even be **legal**?

- A picture or video of a person must never be published just like that → **"Right to one's own image"**
- Pictures of celebrities may only be used if they consciously go **public**.



# We create our own deepfakes

- Download the **Wombo app**
- Take a selfie
- Select video

➔ Please note that the persons depicted must **agree** and that **no damage** should be caused!

