1. **Deep Convolutional Generative Adversarial Network**
   - **What are GANs?**
   - **Setup**
   - **Load and prepare the dataset**

2. **Create the models**
3. **The Generator**
4. **The Discriminator**
5. **Define the loss and optimizers**
   - **Discriminator loss**
   - **Generator loss**

6. **Save checkpoints**
7. **Define the training loop**
8. **Generate and save images**
9. **Train the model**
   - **Create a GIF**
10. **Pix2Pix**
    - **Import TensorFlow and other libraries**
    - **Load the dataset**
    - **Input Pipeline**
    - **Build the Generator**
    - **Build the Discriminator**
    - **Discriminator loss**

11. **Define the Optimizers and Checkpoint-saver**
12. **Generate Images**
13. **Training**
14. **Restore the latest checkpoint and test**
15. **Generate using test dataset**