```
/usr/local/lib/python3.12/dist-packages/keras/src/layers/core/dense.py:93: UserWarning: Do not pass an `input_shape`/`input_dim` argument to a layer. When using
  super().__init__(activity_regularizer=activity_regularizer, **kwargs)


/usr/local/lib/python3.12/dist-packages/keras/src/backend/tensorflow/trainer.py:83: UserWarning: The model does not have any trainable weights.
  warnings.warn("The model does not have any trainable weights.")
Epoch 0/200 | Discriminator Loss: 0.5744446516036987 |Generator Loss: 0.6769923567771912
Epoch 1/200 | Discriminator Loss: 0.607394278049469 |Generator Loss: 0.6908659934997559
Epoch 2/200 | Discriminator Loss: 0.6131551861763 |Generator Loss: 0.6848945617675781
Epoch 3/200 | Discriminator Loss: 0.6137804388999939 |Generator Loss: 0.6816105246543884
Epoch 4/200 | Discriminator Loss: 0.6144384145736694 |Generator Loss: 0.6836066842079163
Epoch 5/200 | Discriminator Loss: 0.6144042015075684 |Generator Loss: 0.6804724335670471
Epoch 6/200 | Discriminator Loss: 0.6149765253067017 |Generator Loss: 0.6779733896255493
Epoch 7/200 | Discriminator Loss: 0.6155266761779785 |Generator Loss: 0.6735224723815918
Epoch 8/200 | Discriminator Loss: 0.6153265237808228 |Generator Loss: 0.6704461574554443
Epoch 9/200 | Discriminator Loss: 0.6153049468994141 |Generator Loss: 0.6714133024215698
Epoch 10/200 | Discriminator Loss: 0.615630030632019 |Generator Loss: 0.6709656119346619
Epoch 11/200 | Discriminator Loss: 0.6166633367538452 |Generator Loss: 0.6748741269111633
Epoch 12/200 | Discriminator Loss: 0.6175670027732849 |Generator Loss: 0.6742550730705261
Epoch 13/200 | Discriminator Loss: 0.617247462272644 |Generator Loss: 0.6771584749221802
Epoch 14/200 | Discriminator Loss: 0.6164470911026001 |Generator Loss: 0.6772276759147644
Epoch 15/200 | Discriminator Loss: 0.6165832877159119 |Generator Loss: 0.6775137782096863
Epoch 16/200 | Discriminator Loss: 0.6170429587364197 |Generator Loss: 0.6768738031387329
Epoch 17/200 | Discriminator Loss: 0.6178560256958008 |Generator Loss: 0.6752033829689026
Epoch 18/200 | Discriminator Loss: 0.6188859343528748 |Generator Loss: 0.6729613542556763
Epoch 19/200 | Discriminator Loss: 0.6194663047790527 |Generator Loss: 0.6714637875556946
Epoch 20/200 | Discriminator Loss: 0.6197587251663208 |Generator Loss: 0.6713109016418457
Epoch 21/200 | Discriminator Loss: 0.6202925443649292 |Generator Loss: 0.6695175766944885
Epoch 22/200 | Discriminator Loss: 0.6208772659301758 |Generator Loss: 0.6693316698074341
Epoch 23/200 | Discriminator Loss: 0.6217347383499146 |Generator Loss: 0.6694181561470032
Epoch 24/200 | Discriminator Loss: 0.6229427456855774 |Generator Loss: 0.6691942811012268
Epoch 25/200 | Discriminator Loss: 0.6240158677101135 |Generator Loss: 0.6687842607498169
Epoch 26/200 | Discriminator Loss: 0.6249208450317383 |Generator Loss: 0.6675333380699158
Epoch 27/200 | Discriminator Loss: 0.6256072521209717 |Generator Loss: 0.6659311652183533
Epoch 28/200 | Discriminator Loss: 0.626044750213623 |Generator Loss: 0.6656264066696167
Epoch 29/200 | Discriminator Loss: 0.6261447668075562 |Generator Loss: 0.6650323271751404
Epoch 30/200 | Discriminator Loss: 0.6260589361190796 |Generator Loss: 0.664212703704834
Epoch 31/200 | Discriminator Loss: 0.6264081001281738 |Generator Loss: 0.6651306748390198
Epoch 32/200 | Discriminator Loss: 0.6272653341293335 |Generator Loss: 0.6639394760131836
Epoch 33/200 | Discriminator Loss: 0.6282085180282593 |Generator Loss: 0.6628379821777344
Epoch 34/200 | Discriminator Loss: 0.6286847591400146 |Generator Loss: 0.6620092391967773
Epoch 35/200 | Discriminator Loss: 0.6287190914154053 |Generator Loss: 0.660841166973114
Epoch 36/200 | Discriminator Loss: 0.629443883895874 |Generator Loss: 0.660381019115448
Epoch 37/200 | Discriminator Loss: 0.6300334930419922 |Generator Loss: 0.6589458584785461
Epoch 38/200 | Discriminator Loss: 0.6301345825195312 |Generator Loss: 0.6581557989120483
Epoch 39/200 | Discriminator Loss: 0.6305632591247559 |Generator Loss: 0.6571675539016724
Epoch 40/200 | Discriminator Loss: 0.6313353776931763 |Generator Loss: 0.6567676067352295
Epoch 41/200 | Discriminator Loss: 0.6318172216415405 |Generator Loss: 0.6556355357170105
Epoch 42/200 | Discriminator Loss: 0.6326453685760498 |Generator Loss: 0.6552239060401917
Epoch 43/200 | Discriminator Loss: 0.6329454183578491 |Generator Loss: 0.6539518237113953
Epoch 44/200 | Discriminator Loss: 0.6331311464309692 |Generator Loss: 0.6531838774681091
Epoch 45/200 | Discriminator Loss: 0.6335872411727905 |Generator Loss: 0.6524608731269836
Epoch 46/200 | Discriminator Loss: 0.6340435743331909 |Generator Loss: 0.6519090533256531
Epoch 47/200 | Discriminator Loss: 0.6344299912452698 |Generator Loss: 0.651974081993103
Epoch 48/200 | Discriminator Loss: 0.6348743438720703 |Generator Loss: 0.6506860256195068
Epoch 49/200 | Discriminator Loss: 0.6355874538421631 |Generator Loss: 0.6494636535644531
Epoch 171/200 | Discriminator Loss: 0.7566835880279541 |Generator Loss: 0.5059886574745178
Epoch 172/200 | Discriminator Loss: 0.7580790519714355 |Generator Loss: 0.5048681497573853
Epoch 173/200 | Discriminator Loss: 0.7593163251876831 |Generator Loss: 0.5036410093307495
Epoch 174/200 | Discriminator Loss: 0.7606853246688843 |Generator Loss: 0.5023065805435181
Epoch 175/200 | Discriminator Loss: 0.7620503902435303 |Generator Loss: 0.501067578792572
Epoch 176/200 | Discriminator Loss: 0.7633618712425232 |Generator Loss: 0.4997926652431488
Epoch 177/200 | Discriminator Loss: 0.7645742893218994 |Generator Loss: 0.4986445903778076
Epoch 178/200 | Discriminator Loss: 0.7658607959747314 |Generator Loss: 0.49741581082344055
Epoch 179/200 | Discriminator Loss: 0.7671443223953247 |Generator Loss: 0.4961436092853546
Epoch 180/200 | Discriminator Loss: 0.7682390809059143 |Generator Loss: 0.4948764741420746
Epoch 181/200 | Discriminator Loss: 0.7694264650344849 |Generator Loss: 0.49390873312950134
Epoch 182/200 | Discriminator Loss: 0.770770788192749 |Generator Loss: 0.49261507391929626
Epoch 183/200 | Discriminator Loss: 0.772240161895752 |Generator Loss: 0.49142012000083923
Epoch 184/200 | Discriminator Loss: 0.7738401293754578 |Generator Loss: 0.4900200068950653
Epoch 185/200 | Discriminator Loss: 0.7753903865814209 |Generator Loss: 0.48858851194381714
Epoch 186/200 | Discriminator Loss: 0.7767602205276489 |Generator Loss: 0.4872189164161682
Epoch 187/200 | Discriminator Loss: 0.7781242728233337 |Generator Loss: 0.48599398136138916
Epoch 188/200 | Discriminator Loss: 0.7794336080551147 |Generator Loss: 0.4848361015319824
Epoch 189/200 | Discriminator Loss: 0.7806289196014404 |Generator Loss: 0.4835837483406067
Epoch 190/200 | Discriminator Loss: 0.7816413640975952 |Generator Loss: 0.48228126764297485
Epoch 191/200 | Discriminator Loss: 0.7831007242202759 |Generator Loss: 0.48085692524909973
Epoch 192/200 | Discriminator Loss: 0.784744381904602 |Generator Loss: 0.4795987606048584
Epoch 193/200 | Discriminator Loss: 0.7859765291213989 |Generator Loss: 0.4784718453884125
Epoch 194/200 | Discriminator Loss: 0.7869894504547119 |Generator Loss: 0.4773997664451599
Epoch 195/200 | Discriminator Loss: 0.7882641553878784 |Generator Loss: 0.4761519432067871
Epoch 196/200 | Discriminator Loss: 0.7897406816482544 |Generator Loss: 0.47512662410736084
Epoch 197/200 | Discriminator Loss: 0.7910792827606201 |Generator Loss: 0.4740007817745209
Epoch 198/200 | Discriminator Loss: 0.7925000190734863 |Generator Loss: 0.47277185320854187
Epoch 199/200 | Discriminator Loss: 0.7940269708633423 |Generator Loss: 0.4715427756309509
```