```python
 1  import numpy as np
 2
 3  from keras.models import Sequential
 4  from keras.optimizers import Adam
 5  from keras.layers.core import Dense
 6  from keras.models import model_from_json
 7  from keras import backend as K
 8
 9  import keras2onnx
10
11  def main():
12      #Load Model
13      model = LoadModel()
14
15      #Save to ONNX Format
16      onnxModelFilename = R'model.onnx'
17      serializedOnnxModel = keras2onnx.convert_keras(model).SerializeToString()
18
19      file = open(onnxModelFilename, "wb")
20      file.write(serializedOnnxModel)
21      file.close()
22
23  def LoadModel() -> Sequential:
24      modelFilename = R'model.json'
25      modelWeightsFilename = R'model-weights.h5'
26
27      json_file = open(modelFilename, 'r')
28      modelJson = json_file.read()
29      json_file.close()
30      model = model_from_json(modelJson)
31      model.load_weights(modelWeightsFilename)
32
33      model.compile(optimizer="sgd", loss="binary_crossentropy", metrics=
           ["accuracy"])
34
35      return model
36
37  if __name__ == "__main__":
38      main()
39
```