**MainActivity.java**

**Text

Description automatically generated**

**Figure 2: code representation of MainActivity.java**

● This file defines the main logic for the application

● The file is written in the java programming language

● This file helps to set the layout of the application by calling the layout .xml files

● This file contains different necessary methods for the application like Algo, AlgoAdapter, AlgoListner, AlgoViewholder, and the main method called MainActivity

● Also defines the onclick methods for the buttons in the design of the application

● It contains importing of necessary libraries and packages needed for the development process of the application.

● The main menu is developed in this file using the array list

● It is the default main activity for the application

● It represents the first screen of the application while running or deploying the application

● It helps the user of the application to interact with the application

● it helps to call another activity defined in another file of the project

● In this case, this file defines the image reading and representation of the output of the application.

● It represents the main class of java programming used for developing the application