SOURCE CODE

package com.mad.taskapolis

import Task

import android.content.Intent

import android.os.Bundle

import android.view.LayoutInflater

import android.view.View

import android.view.ViewGroup

import androidx.fragment.app.Fragment

import androidx.recyclerview.widget.LinearLayoutManager

import androidx.recyclerview.widget.RecyclerView

```kotlin
class HomeFragment : Fragment() {
    private lateinit var recyclerView: RecyclerView
    private lateinit var adapter: TaskAdapter

    override fun onCreateView(
        inflater: LayoutInflater,
        container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View? {
        val view = inflater.inflate(R.layout.fragment_home, container, false)
        recyclerView = view.findViewById(R.id.taskRecyclerView)

        // Create a list of tasks (replace with your data)
        val taskList = listOf(
            Task("Task 1", "Description 1", "Due date 1"),
            Task("Task 2", "Description 2", "Due date 2"),
```

```kotlin
        Task("Task 3", "Description 3", "Due date 3"),
        Task("Task 4", "Description 4", "Due date 4"),
        Task("Task 5", "Description 5", "Due date 5"),Task("Task 1", "Description 1", "Due date
1"),
        Task("Task 2", "Description 2", "Due date 2"),
        Task("Task 3", "Description 3", "Due date 3"),
        Task("Task 4", "Description 4", "Due date 4"),
        Task("Task 5", "Description 5", "Due date 5"),Task("Task 1", "Description 1", "Due date
1"),
        Task("Task 2", "Description 2", "Due date 2"),
        Task("Task 3", "Description 3", "Due date 3"),
        Task("Task 4", "Description 4", "Due date 4"),
        Task("Task 5", "Description 5", "Due date 5"),Task("Task 1", "Description 1", "Due date
1"),
        Task("Task 2", "Description 2", "Due date 2"),
        Task("Task 3", "Description 3", "Due date 3"),
        Task("Task 4", "Description 4", "Due date 4"),
        Task("Task 5", "Description 5", "Due date 5"),
        Task("Task 1", "Description 1", "Due date 1"),
        Task("Task 2", "Description 2", "Due date 2"),
        Task("Task 3", "Description 3", "Due date 3"),
        Task("Task 4", "Description 4", "Due date 4"),
        Task("Task 5", "Description 5", "Due date 5"),
        // Add more tasks as needed

    )


    // Initialize and set up your RecyclerView and adapter here
    adapter = TaskAdapter(taskList) { task ->
        // Handle task item click here
        openTaskDetailsActivity(task)
```

}

```kotlin
        recyclerView.adapter = adapter
        recyclerView.layoutManager = LinearLayoutManager(context)


        return view
    }


    private fun openTaskDetailsActivity(task: Task) {
        val intent = Intent(activity, TaskDetailsActivity::class.java)
        intent.putExtra("task", task)
        startActivity(intent)
    }

}
```