**Task- 1**

**Aim: Create an app as shown in below image.**

**Program:**

import 'package:flutter/material.dart';

void main() {

runApp(

const MaterialApp(

debugShowCheckedModeBanner: false,

home: productFilters(),

),

);

}

class productFilters extends StatefulWidget {

const productFilters({Key? key}) : super(key: key);

@override

State<productFilters> createState() => \_productFiltersState();

}

class \_productFiltersState extends State<productFilters> {

var SliderVal = 1000;

@override

Widget build(BuildContext context) {

return Scaffold(

appBar: AppBar(

centerTitle: true,

elevation: 0,

title: const Text(

"Product Filter",

style: TextStyle(fontSize: 23),

),

actions: const [

Icon(

Icons.apps,

size: 25,

),

],

),

body: Column(

children: [

Expanded(

flex: 13,

child: Column(

children: [

Slider(

value: SliderVal.toDouble(),

onChanged: (val) {

setState(() {

SliderVal = val.toInt();

});

},

max: 80000,

min: 0,

),

Text(

"All Product < ₹ $SliderVal",

style: const TextStyle(

fontSize: 20,

fontWeight: FontWeight.bold,

),

),

],

),

),

Expanded(

flex: 87,

child: SingleChildScrollView(

child: Column(

children: [

(SliderVal >= 1000)

? Box("1", "Track pants", "500", "Wearable")

: Container(),

(SliderVal >= 15000)

? Box("2", "Mobile", "20000", "Gadgets")

: Container(),

(SliderVal >= 3200)

? Box("3", "Watch", "3200", "Wearable")

: Container(),

(SliderVal >= 520)

? Box("4", "Shirt", "550", "Wearable")

: Container(),

(SliderVal >= 840)

? Box("5", "T-Shirt", "1200", "Wearable")

: Container(),

(SliderVal >= 18000)

? Box("6", "Refrigerator", "35000",

"Electronics and Electronics")

: Container(),

(SliderVal >= 55000)

? Box("7", "Watch", "5000", "Electronics")

: Container(),

(SliderVal >= 45000)

? Box("8", "Bike", "65000", "Vehicles")

: Container(),

(SliderVal >= 2500)

? Box("9", "AC", "2500", "Electronics")

: Container(),

(SliderVal >= 600)

? Box("10", "Belt", "600", "Wearable")

: Container(),

(SliderVal >= 80000)

? Box("11", "Bullet", "75000", "Vehicles")

: Container(),

],

),

),

),

],

),

);

}

Widget Box(var id, var name, var price, var category) {

return SingleChildScrollView(

child: Container(

height: 80,

decoration: BoxDecoration(

color: Colors.white,

boxShadow: <BoxShadow>[

BoxShadow(

blurRadius: 6,

spreadRadius: 3,

color: Colors.black.withOpacity(0.3),

)

],

),

child: Row(

children: [

const SizedBox(width: 20),

Container(

width: 55,

child: Text(

id,

style:

const TextStyle(fontSize: 25, fontWeight: FontWeight.bold),

),

),

Container(

width: 270,

child: Column(

mainAxisAlignment: MainAxisAlignment.spaceEvenly,

crossAxisAlignment: CrossAxisAlignment.start,

children: [

Text(

name,

style: const TextStyle(

fontSize: 19, fontWeight: FontWeight.bold),

),

Text(

category,

style: const TextStyle(fontSize: 19, color: Colors.grey),

),

],

),

),

SingleChildScrollView(

child: Container(

child: Text(

"₹.$price",

style: const TextStyle(fontSize: 20, color: Colors.grey),

),

),

)

],

),

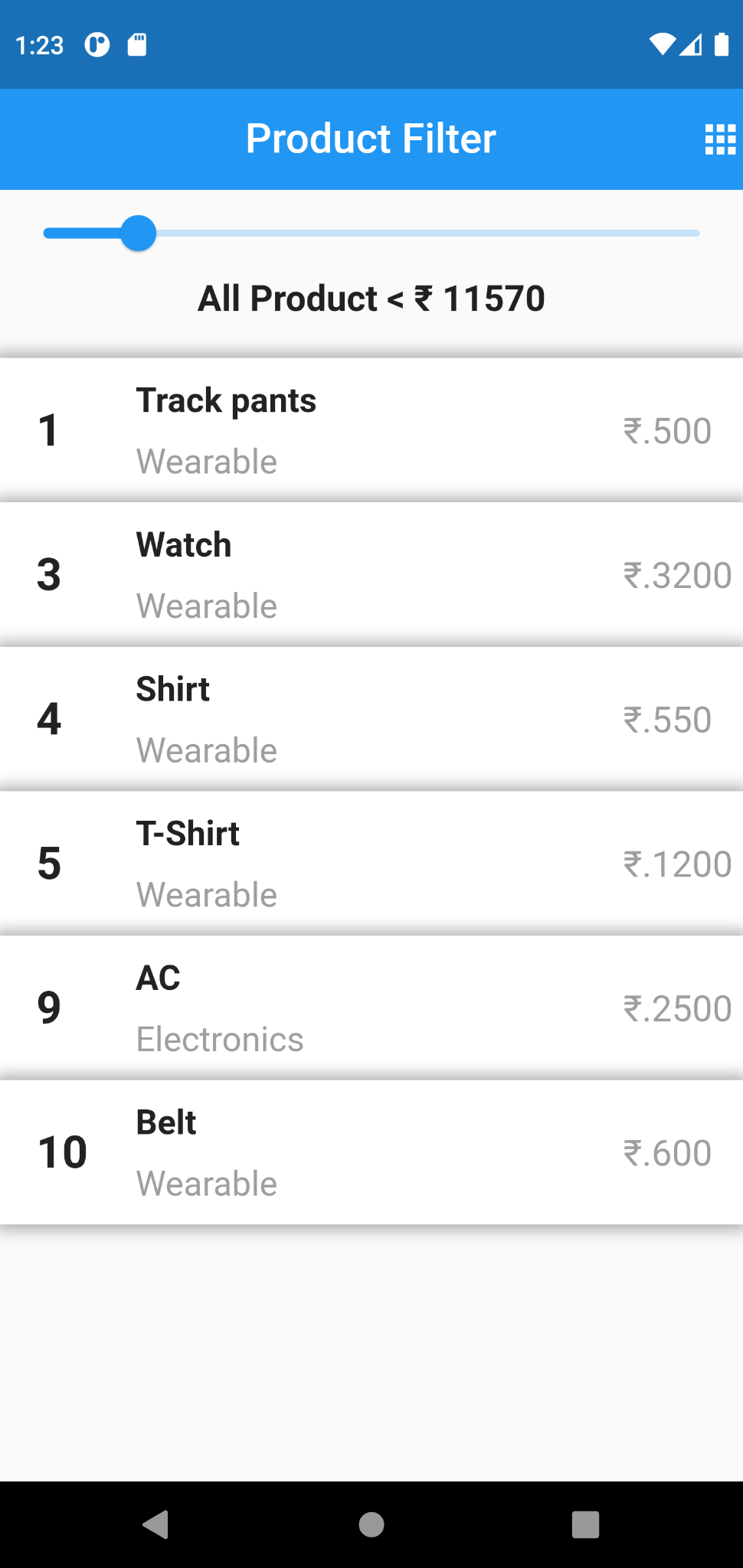
),

);

}

}

**Output:**

****