QUESTION 1

class MainActivity : AppCompatActivity() {  
 @SuppressLint("MissingInflatedId")  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 val button = findViewById<Button>(R.id.*buttonDetails*)  
 button.setOnClickListener **{** val intent = Intent(this, DetailActivity::class.*java*).*apply* **{** putExtra("name", "Asha")  
 putExtra("surname", "Nassor")  
 putExtra("email", "ashanassor609@gmail.com")  
 putExtra("phone", "710659862")  
 **}** startActivity(intent)  
 **}**}  
  
}

package com.example.contactlistapp  
  
import android.annotation.SuppressLint  
import android.os.Bundle  
import android.widget.TextView  
import androidx.appcompat.app.AppCompatActivity  
  
class DetailActivity : AppCompatActivity() {  
 @SuppressLint("MissingInflatedId")  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_detail*)  
  
 val name = findViewById<TextView>(R.id.*name*)  
 val surname = findViewById<TextView>(R.id.*surname*)  
 val email = findViewById<TextView>(R.id.*email*)  
 val phone = findViewById<TextView>(R.id.*phone*)  
  
 name.*text* = *intent*.getStringExtra("name")  
 surname.*text* = *intent*.getStringExtra("surname")  
 email.*text* = *intent*.getStringExtra("email")  
 phone.*text* = *intent*.getStringExtra("phone")  
}  
  
}

<?xml version="1.0" encoding="utf-8"?><LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="16dp">  
 <Button  
 android:id="@+id/buttonDetails"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Dails"/>  
 <TextView android:id="@+id/name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
 <TextView android:id="@+id/surname"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
 <TextView android:id="@+id/email"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
 <TextView android:id="@+id/phone"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
</LinearLayout>

QUESTION 2

package com.example.uicontrols  
  
import android.os.Bundle  
import android.view.View  
import android.widget.\* import androidx.appcompat.app.AppCompatActivity  
  
class MainActivity : AppCompatActivity() {  
 lateinit var toggleButton: ToggleButton  
 lateinit var spinner: Spinner  
 lateinit var checkBox: CheckBox  
 lateinit var timePicker: TimePicker  
 lateinit var datePicker: DatePicker  
 lateinit var output: TextView  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 toggleButton = findViewById(R.id.*toggleButton*)  
 spinner = findViewById(R.id.*spinner*)  
 checkBox = findViewById(R.id.*checkbox*)  
 timePicker = findViewById(R.id.*timePicker*)  
 datePicker = findViewById(R.id.*datePicker*)  
 output = findViewById(R.id.*output*)  
  
 val items = *arrayOf*("Item 1", "Item 2", "Item 3")  
 spinner.*adapter* = ArrayAdapter(this, android.R.layout.*simple\_spinner\_dropdown\_item*, items)  
  
 toggleButton.setOnCheckedChangeListener **{** \_, isChecked **->** output.*text* = if (isChecked) "ON" else "OFF"  
 **}** spinner.*onItemSelectedListener* = object : AdapterView.OnItemSelectedListener {  
 override fun onItemSelected(parent: AdapterView<\*>, view: View?, position: Int, id: Long) {  
 output.*text* = "Selected: ${items[position]}"  
 }  
 override fun onNothingSelected(parent: AdapterView<\*>) {}  
 }  
  
 checkBox.setOnCheckedChangeListener **{** \_, isChecked **->** output.*text* = if (isChecked) "Checked" else "Unchecked"  
 **}** timePicker.setOnTimeChangedListener **{** \_, hour, minute **->** output.*text* = "Time: $hour:$minute"  
 **}** datePicker.setOnDateChangedListener **{** \_, year, month, dayOfMonth **->** output.*text* = "Date: $dayOfMonth/${month + 1}/$year"  
 **}** }  
  
}

<?xml version="1.0" encoding="utf-8"?>  
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
  
 <LinearLayout  
 android:orientation="vertical"  
 android:padding="16dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
  
 <ToggleButton  
 android:id="@+id/toggleButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
  
 <Spinner  
 android:id="@+id/spinner"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content" />  
  
 <CheckBox  
 android:id="@+id/checkbox"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Check me" />  
  
 <TimePicker  
 android:id="@+id/timePicker"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:timePickerMode="spinner" />  
  
 <DatePicker  
 android:id="@+id/datePicker"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:datePickerMode="spinner" />  
  
 <TextView  
 android:id="@+id/output"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textSize="18sp"  
 android:text="Output will show here" />  
 </LinearLayout>  
  
</ScrollView>