

QUESTION 1

```

class MainActivity : AppCompatActivity() {
    @SuppressWarnings("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() {
    @SuppressWarnings("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"

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        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>

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QUESTION 2

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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"
        }
    }
}

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    }

    datePicker.setOnDateChangeListener { _, 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>

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