Bahria University, Karachi Campus



COURSE: SEL 448 Software Applications for Mobile Devices TERM: Fall-2021,

CLASS: BSE- 5 (A)

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Signed	Remarks:	Score:

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Task No. 1: Create simple user information application. Run on android virtual device and on your android phone.

Solution: & OUTPUT:

CODE:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textView"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:fontFamily="sans-serif-light"
        android:text="LOGIN"
        android:textColor="@color/colorPrimary"
        android: textSize="40dp"
        app:layout constraintBottom toTopOf="@+id/textView3"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintStart toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical bias="0.848" />
    <EditText
        android:id="@+id/editText2"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout marginBottom="44dp"
        android:ems="10"
        android:inputType="textPassword"
        app:layout constraintBottom toTopOf="@+id/button"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintStart toStartOf="parent" />
    <EditText
        android:id="@+id/editText"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout marginBottom="32dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:text=""
        app:layout constraintBottom toTopOf="@+id/textView4"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintStart toStartOf="parent" />
    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout marginBottom="36dp"
        android:text="Password"
```

```
android:textColor="@color/colorPrimaryDark"
        android:textSize="17dp"
        app:layout constraintBottom toTopOf="@+id/editText2"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintHorizontal bias="0.284"
        app:layout constraintStart toStartOf="parent" />
    <TextView
        android:id="@+id/textView3"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:layout marginBottom="28dp"
        android: text="UserName"
        android:textColor="@color/colorPrimaryDark"
        android: textSize="17dp"
app:layout constraintBottom toTopOf="@+id/editText"
        app:layout constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.287"
app:layout constraintStart toStartOf="parent" />
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout height="wrap content"
        android:layout marginBottom="228dp"
        android:text="Button"
android:background="@color/colorPrimaryDark"
        android:textColor="#FFFFFF"
app:layout_constraintBottom_toBottomOf="parent"
        app:layout constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.498"
app:layout constraintStart toStartOf="parent" />
```

</androidx.constraintlayout.widget.ConstraintLayout>



Task No. 2: Create Birthday Card Application. (you can change the design as per your interest).

Solution:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
```

```
<ImageView</pre>
    android:id="@+id/imageView"
    android:layout width="wrap content"
    android:layout_height="wrap content"
    android:layout_marginTop="52dp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="1.0"
    app:srcCompat="@drawable/cake" />
<TextView
    android:id="@+id/textView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="HAPPY BIRTHDAY"
    android:textColor="#0A5A68"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/imageView"
    app:layout constraintVertical bias="0.14" />
<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="From Adil "
    android:fontFamily="sans-serif-light"
    android:textColor="#0D2023"
    android:textSize="40dp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.086"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/imageView"
    app:layout_constraintVertical_bias="0.341" />
<TextView
    android:id="@+id/textView2"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:fontFamily="sans-serif-light"
    android:textColor="#EC0566"
    android:textSize="40dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent
    app:layout_constraintHorizontal_bias="0.0"
    app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toTopOf="@+id/imageView"
```

app:layout_constraintVertical_bias="0.573" />
</androidx.constraintlayout.widget.ConstraintLayout>

OUTPUT:

