**Practical No 06**

# **X.1**

* **Program:**

<?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" >

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:orientation="vertical">

<TableRow

android:layout\_width="409dp"

android:layout\_height="58dp">

<TextView

android:id="@+id/textView"

android:layout\_width="match\_parent"

android:paddingTop="12dp"

android:layout\_height="match\_parent"

android:text="Student Basic Information"

android:textAlignment="center"

android:textSize="24sp"/>

</TableRow>

<TableLayout

android:id="@+id/tableLayout"

android:layout\_width="413dp"

android:layout\_height="789dp"

android:orientation="vertical"

android:scrollbarStyle="outsideInset">

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="25dp"/>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:background="#5828B609">

<TextView

android:id="@+id/textView1"

android:layout\_width="60dp"

android:layout\_height="51dp"

android:paddingTop="12dp"

android:text="ID"

android:textAlignment="center"

android:textSize="20sp"

android:textStyle="bold"/>

<TextView

android:id="@+id/textView2"

android:layout\_width="142dp"

android:layout\_height="40dp"

android:text="Student name"

android:textAlignment="center"

android:textSize="20sp"

android:textStyle="bold"/>

<TextView

android:id="@+id/textView3"

android:layout\_width="85dp"

android:layout\_height="40dp"

android:text="Class"

android:textAlignment="center"

android:textSize="20sp"

android:textStyle="bold"/>

<TextView

android:id="@+id/textView4"

android:layout\_width="96dp"

android:layout\_height="40dp"

android:text="Percentage"

android:textAlignment="center"

android:textSize="18sp"

android:textStyle="bold"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView5"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="1"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView6"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Adventure"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView7"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="1"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView8"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="90%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView9"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="2"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView10"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Siddharth"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView11"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="1"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView12"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="90%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView13"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="3"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView14"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Sahil"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView15"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="2"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView16"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="90%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView17"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="4"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView18"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Omkar"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView19"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="2"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView20"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="90%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView21"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="5"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView22"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Prajwal"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView23"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="3"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView24"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="85%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView25"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="6"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView26"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Shloke"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView27"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="3"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView28"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="85%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView29"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="7"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView30"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Prathmesh"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView31"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="4"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView32"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="80%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView33"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="8"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView34"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Swaraj"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView35"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="4"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView36"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="80%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView37"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="9"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView38"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Balaji"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView39"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="5"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView40"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="75%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:background="#20ECE6E6">

<TextView

android:id="@+id/textView41"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="10"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView42"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="Amey"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView43"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="5"

android:textAlignment="center"

android:textSize="20sp"/>

<TextView

android:id="@+id/textView44"

android:layout\_width="67dp"

android:layout\_height="50dp"

android:text="90%"

android:textAlignment="center"

android:textSize="20sp"/>

</TableRow>

</TableLayout>

</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

* **Output:**



# **X.2**

# **Program:**

<?xml version="1.0" encoding="utf-8"?>

<FrameLayout 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="match\_parent"

android:layout\_height="66dp"

android:text="DataTypes in Object Oriented Programming"

android:textSize="25sp"

android:textStyle="bold"

android:textAlignment="center"/>

<TextView

android:id="@+id/textView2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="top|left|fill\_vertical"

android:layout\_marginTop="80dp"

android:text="Primitive"

android:textSize="30dp"/>

<LinearLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginLeft="20dp"

android:layout\_marginTop="120dp"

android:foregroundGravity="fill\_horizontal|top"

android:orientation="vertical">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="1) Integer"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="2) Float"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="3) Character"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="4) Boolean"/>

</LinearLayout>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="right|fill\_vertical"

android:layout\_marginTop="80dp"

android:layout\_toRightOf="@+id/pd"

android:text="Non-Primitive"

android:textSize="30dp"/>

<LinearLayout

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_gravity="right"

android:layout\_marginTop="120dp"

android:layout\_marginRight="20dp"

android:orientation="vertical">

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="1) Class"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="2) Array"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="3) Interface"/>

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="4) Object"/>

</LinearLayout>

</FrameLayout>

* **Output:**

