Exercise:

1) Write a program to display HelloWorld.

- **activity_main.xml**

```xml
<?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"
    android:background="@drawable/bg"
    tools:context=".MainActivity"
>

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        android:textSize="35dp"
        android:textStyle="bold"
        android:textColor="@color/cardview_dark_background"
        app:layout_constraintTop_toTopOf="parent"
    />

</androidx.constraintlayout.widget.ConstraintLayout>
```

- **bg.xml**

```xml
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android">
    <gradient android:type="linear" android:angle="100" android:startColor="#8BC34A"
android:endColor="@color/white"/>
</shape>
```

OUTPUT:

2   Write a program to display student name and marks.

- activity_main.xml

```xml
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:background="@drawable/bg"  android:orientation="vertical"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"  android:layout_height="wrap_content"
        android:text="Student Name:Riya Sunil Kharade"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        android:textSize="25dp"  android:textStyle="bold"
        android:textColor="@color/white"  android:background="@drawable/round"
        app:layout_constraintTop_toTopOf="parent" />
    <TextView
        android:layout_width="wrap_content"  android:layout_height="wrap_content"
        android:text="Marathi Marks:95"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"android:textSize="25dp"
        android:paddingTop="20dp"    android:textStyle="bold"
        android:textColor="@color/white" app:layout_constraintTop_toTopOf="parent" />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Science Marks:96"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        android:textSize="25dp"    android:textStyle="bold"
        android:textColor="@color/white" app:layout_constraintTop_toTopOf="parent" />
    <TextView
        android:layout_width="wrap_content" android:layout_height="wrap_content"
        android:text="Hindi Marks:94"app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        android:textSize="25dp"  android:textStyle="bold"
        android:textColor="@color/white" app:layout_constraintTop_toTopOf="parent" />
```

```xml
    <TextView
      android:layout_width="wrap_content" android:layout_height="wrap_content"
      android:text="English Marks:98"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintStart_toStartOf="parent"
      android:textSize="25dp"android:textStyle="bold"
      android:textColor="@color/white"app:layout_constraintTop_toTopOf="parent" />
    <TextView
      android:layout_width="wrap_content"  android:layout_height="wrap_content"
      android:text="Maths Marks:99"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintStart_toStartOf="parent"
      android:textSize="25dp"     android:textStyle="bold"
      android:textColor="@color/white" app:layout_constraintTop_toTopOf="parent" />
    <TextView
      android:layout_width="wrap_content"  android:layout_height="wrap_content"
      android:text="Total Marks:482"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintStart_toStartOf="parent"
      android:textSize="25dp"     android:paddingTop="20dp"
      android:textStyle="bold"     android:textColor="@color/white"
      app:layout_constraintTop_toTopOf="parent" />
    <TextView
      android:layout_width="wrap_content"   android:layout_height="wrap_content"
      android:text="Percentage:96.40%"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout_constraintEnd_toEndOf="parent"
      app:layout_constraintStart_toStartOf="parent"
      android:textSize="25dp"        android:paddingTop="20dp"
      android:textStyle="bold"        android:textColor="@color/white"
      app:layout_constraintTop_toTopOf="parent" />
</LinearLayout>
```

- **rounde_corner.xml**

```xml
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android"
  android:shape="rectangle">
  <corners android:radius="24dp"/>
  <stroke android:width="1dip" android:color="#FF9800"/>
</shape>
```

- **bg.xml**

```xml
<?xml version="1.0" encoding="utf-8"?>
<shape xmlns:android="http://schemas.android.com/apk/res/android">
    <gradient android:type="linear" android:angle="100" android:startColor="#E91E63"
android:endColor="#3F51B5"/>
</shape>
```

OUTPUT: