

Practical No: 8

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Roll No: 66

1. Write a program to create a first display screen of any search engine using Auto Complete. Text View.

Activity_main.xml(code for layout):-

```
<?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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter a Text"
        app:layout_constraintBottom_toTopOf="@+id/autocomp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.112"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.96" />

    <AutoCompleteTextView
        android:id="@+id/autocomp"
        android:layout_width="300dp"
        android:layout_height="wrap_content"
        android:completionHint="Select Text"
        android:completionThreshold="1"
        android:hint="Enter a Text here"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.495"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.322" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java(code for functionality):-

```
package com.example.practical_1;
```

```

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;
import com.example.practical_1.R

public class MainActivity extends AppCompatActivity {
    String[] searches = new String[]{
        "Google", "Youtube", "Facebook", "Whatsapp", "C", "C++", "Python", "Prince
Maurya", "Php", "Java", "Advance Java", ".net", "VB.net"
    };
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        AutoCompleteTextView autotxt = findViewById(R.id.autocomp);
        ArrayAdapter<String> aa = new ArrayAdapter<>(this,
android.R.layout.simple_list_item_1, searches);
        autotxt.setAdapter(aa);
    }
}Output:

```

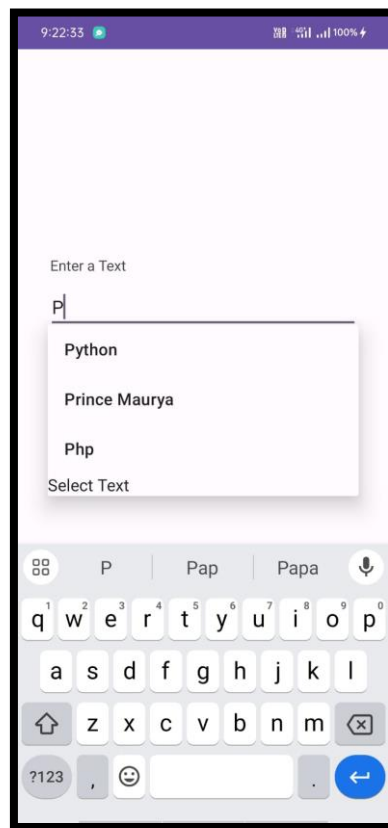


Fig: 8.1 first display screen of any search engine

2. Write a program to display all the subjects of sixth semester using Auto Complete Text View

Activity_main.xml(code for layout):-

```
<?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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Select Subject"
        app:layout_constraintBottom_toTopOf="@+id/autocomp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.915" />

    <AutoCompleteTextView
        android:id="@+id/autocomp"
        android:layout_width="300dp"
        android:layout_height="wrap_content"
        android:completionHint="Select Text"
        android:completionThreshold="1"
        android:hint="Enter a Subject here"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.495"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.322" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java(code for functionality):-

```
package com.example.practical_1;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.AutoCompleteTextView;
import com.example.practical_1.R;

public class MainActivity extends AppCompatActivity {
    String[] searches = new String[] {
```

```

        "MAD","WPD","MGT","PWP","ETI","EDE","CPE"
    };

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        AutoCompleteTextView autotxt = findViewById(R.id.autocomp);
        ArrayAdapter<String> aa = new ArrayAdapter<>(this,
        android.R.layout.simple_list_item_1, searches);
        autotxt.setAdapter(aa);
    }
}

```

Output:

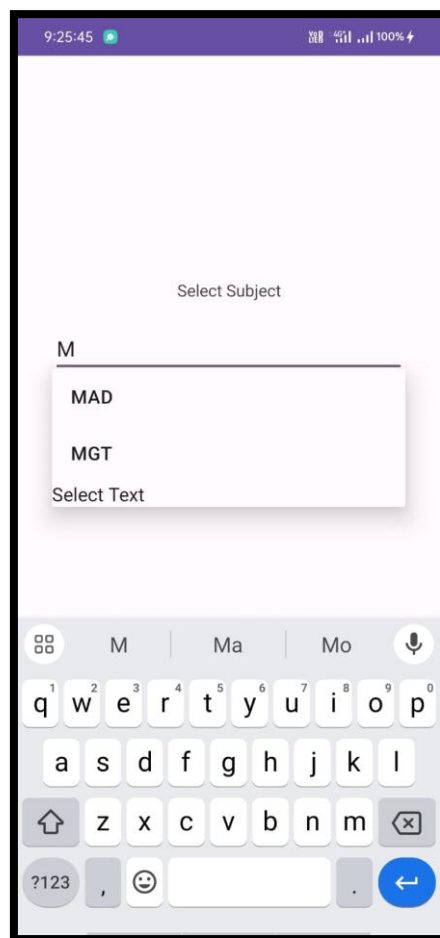


Fig: 8.2 display all the subjects of sixth semester using Auto Complete Text View

