1) **Create a Simple Application Which Send ―Hello‖ message from one activity to another with help of Button (Use Intent).**

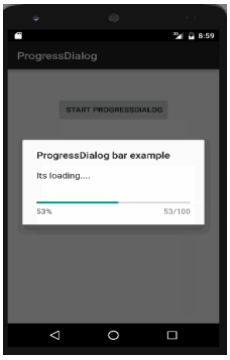
```
package com.example.buttondemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

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

```
import android.content.Intent;
import android.os.Bundle;
import android.widget.Button;
import android.widget.EditText;
import androidx.appcompat.app.AppCompatActivity;

public class first_activity extends AppCompatActivity {

// define the variable
Button send_button;
EditText send_text;

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

send_button = findViewById(R.id.send_button_id);
send_text = findViewById(R.id.send_text_id);

// add the OnClickListener in sender button after clicked this button
following Instruction will run
send_button.setOnClickListener(v -> {
// get the value which input by user in EditText and convert it to string
String str = send_text.getText().toString();
```

```
// Create the Intent object of this class Context() to Second_activity class
Intent intent = new Intent(getApplicationContext(), Second_activity.class);
// now by putExtra method put the value in key, value pair key is
// message_key by this key we will receive the value, and put the string
intent.putExtra("message_key", str);
// start the Intent
startActivity(intent);
});
}
}.
```

---

2) Create an Android application to demonstrate Progress Dialog Box using AsyncTask.




```
package com.example.switchdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.app.AlertDialog;
import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Switch;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity
{
    Switch bt,wf;
    Button button;


    @Override
```

```
   protected void onCreate(Bundle
savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        bt = findViewById(R.id.swBT);
        wf = findViewById(R.id.swWF);
        button = findViewById(R.id.button);
        AlertDialog.Builder builder = new
AlertDialog.Builder(this)
                .setTitle("For Confirm !")
                .setCancelable(false)
                .setMessage("Do U Want to Exit")
                .setIcon(R.drawable.close);
       builder.setPositiveButton("Satish", new
DialogInterface.OnClickListener() {
            public void onClick(DialogInterface dialog, int
which) {
                finish();
            }
       });
      builder.setNegativeButton("Cancel", new
DialogInterface.OnClickListener() {
        public void onClick(DialogInterface dialog, int
which) {
           Toast.makeText(getApplicationContext(),"You
pressed Cancel  ",Toast.LENGTH_LONG).show();
        }
      });
      builder.setNeutralButton("Retry", new
DialogInterface.OnClickListener() {
         public void onClick(DialogInterface dialog, int
which) {

Toast.makeText(getApplicationContext(),"You
Presses Retry ",Toast.LENGTH_LONG).show();
        }
```

```
    });

       button.setOnClickListener(new
View.OnClickListener() {
          @Override
          public void onClick(View v) {
             builder.create();
             builder.show();
          }
       });
      // bt.setTextOff("Radhe");
       //bt.setTextOn("Ganesh");



   bt.setOnClickListener(new View.OnClickListener()
{
          @Override
          public void onClick(View v) {

            if(bt.isChecked() == true)
             {

Toast.makeText(getApplicationContext(),"BlueTooth
is  "+bt.getTextOn(),Toast.LENGTH_LONG).show();
             }
             else
             {

Toast.makeText(getApplicationContext(),"BlueTooth
is  "+bt.getTextOff(),Toast.LENGTH_LONG).show();
             }
          }
       });
```

```
    }

    private void btOff() {

Toast.makeText(getApplicationContext(),"BlueTooth
is OFF ",Toast.LENGTH_LONG).show();
    }

    private void btON() {

Toast.makeText(getApplicationContext(),"BlueTooth
is On ",Toast.LENGTH_LONG).show();
    }
```

---

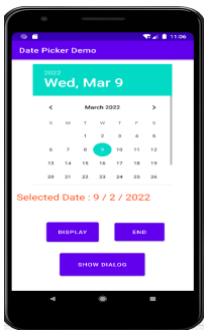
3) Create a Simple Application Which Shows Life Cycle of Activity.

```
package com.example.demoonactivitylifecycle;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.util.Log;

public class MainActivity extends AppCompatActivity {


@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
Log.d("Satish","onCreate Method is called ....");
}

@Override
protected void onStart() {
super.onStart();
Log.d("Satish","onStart Method is called ....");
}
protected void onResume() {
super.onResume();
Log.d("Satish", "onResume Method is called ....");
```

```
}
protected void onPause() {
super.onPause();
Log.d("Satish", "onPause Method is called ....");
}
@Override
protected void onStop() {
super.onStop();
Log.d("Satish", "onStop Method is called ....");
}
protected void onDestroy() {
super.onDestroy();
Log.d("Satish", "onDestroy Method is called ....");
}
}
```

---

4) **Create an Android Application that Demonstrate DatePicker and DatePickerDailog.**




```
package com.example.timedatepickerdemo;


import androidx.appcompat.app.AppCompatActivity;


import android.app.DatePickerDialog;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;
```

```
import android.widget.DatePicker;
import android.widget.TextView;
import android.widget.Toast;

import java.util.Calendar;

public class DateDemo extends AppCompatActivity {
DatePicker datePicker;
TextView textView;
Button button,end,btDialog;
DatePickerDialog datePickerDialog;


@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_date_demo);
datePicker = (DatePicker)
findViewById(R.id.datePicker);
textView = (TextView) findViewById(R.id.textView);
button = (Button) findViewById(R.id.button);
end = (Button)findViewById(R.id.button2);
btDialog = findViewById(R.id.btDialog);
```

```
textView.setOnClickListener(new
View.OnClickListener() {
@Override
public void onClick(View v) {
showMyDate();
}
});
btDialog.setOnClickListener(new
View.OnClickListener() {
@Override
public void onClick(View v) {

showMyDate();
}
});
textView.setText("Selected Date will display here ");

end.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
finish();
}
});
button.setOnClickListener(new View.OnClickListener()
{
```

```
@Override
public void onClick(View view) {
showDate();
}
});
}

public  void showMyDate(){
final Calendar c = Calendar.getInstance();
int y = c.get(Calendar.YEAR);
int m = c.get(Calendar.MONTH);
int d = c.get(Calendar.DAY_OF_MONTH);
datePickerDialog = new DatePickerDialog(this, new
DatePickerDialog.OnDateSetListener() {
@Override
public void onDateSet(DatePicker view, int year, int
month, int dayOfMonth) {
Toast.makeText(getApplicationContext(),"DATE :
"+dayOfMonth+" / "+month+" /
"+year,Toast.LENGTH_LONG).show();
}
},y,m,d);
/*  datePickerDialog = new DatePickerDialog(this, new
DatePickerDialog.OnDateSetListener()
{
```

```
@Override
public void onDateSet(DatePicker datePicker, int y, int
m, int d)
{
textView.setText(datePicker.getDayOfMonth()+ "/"+ (m
+ 1) + "/" + datePicker.getYear());
}
},y,m,d); */
datePickerDialog.show();
}
```

```
public void showDate() {
int d = datePicker.getDayOfMonth();
int m = datePicker.getMonth();
int y = datePicker.getYear();

textView.setText("Selected Date : " + d + " / " + (m+1)+
" / " + y);
}
```

```
package com.example.timedatepickerdemo;
```

```
import androidx.appcompat.app.AppCompatActivity;

import android.os.Build;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.TimePicker;

public class MainActivity extends AppCompatActivity {
TextView textView;
Button btShow;
TimePicker timePicker;
int h, m;

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
textView = findViewById(R.id.textView);
btShow = findViewById(R.id.btShow);
timePicker = findViewById(R.id.simpleTimePicker);
timePicker.setIs24HourView(false);
```

```
btShow.setOnClickListener(new
View.OnClickListener() {
@Override
public void onClick(View v) {
if (Build.VERSION.SDK_INT >=
Build.VERSION_CODES.M) {
h = timePicker.getHour();
m = timePicker.getMinute();
}
textView.setText(h+"  :   "+m);
}
});
timePicker.setOnTimeChangedListener(new
TimePicker.OnTimeChangedListener() {
@Override
public void onTimeChanged(TimePicker view, int h1,
int m1) {
//
h = h1;
m = m1;
textView.setText(h+"  :   "+m);
}


});
}
```

}

5) Create a Simple Application, which read a positive number from the user and display its factorial value in another activity.

```
package com.example.factorialdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
TextView t1;
Button b1;
EditText e1;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
t1 =  findViewById(R.id.txtDisplay);
b1 = findViewById(R.id.btnResult);
e1 = findViewById(R.id.edNo);
b1.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
int n = Integer.parseInt(e1.getText().toString());
int f = 1;
for(int i = 1;i<=n;i++)
f = f * i;
t1.setText("The factorial of "+n+" is "+f);
}
});

}
}
```

. . .

6) Create an Android Application to display satellite view of current location using Google Map

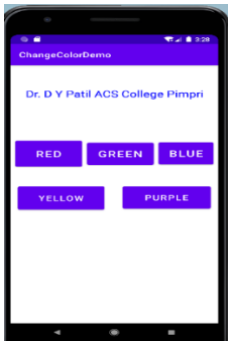
```
package com.example.myindiragooglemapdemo;

import androidx.fragment.app.FragmentActivity;

import android.os.Bundle;

import
com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import
com.google.android.gms.maps.OnMapReadyCallback;
import
com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import
com.google.android.gms.maps.model.MarkerOptions;
import
com.example.myindiragooglemapdemo.databinding.Acti
vityMapsBinding;

public class MapsActivity extends FragmentActivity
implements OnMapReadyCallback {

private GoogleMap mMap;
private ActivityMapsBinding binding;
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);

binding =
ActivityMapsBinding.inflate(getLayoutInflater());
setContentView(binding.getRoot());

// Obtain the SupportMapFragment and get notified when
the map is ready to be used.
SupportMapFragment mapFragment =
(SupportMapFragment) getSupportFragmentManager()
.findFragmentById(R.id.map);
mapFragment.getMapAsync(this);
}

/**
* Manipulates the map once available.
* This callback is triggered when the map is ready to be
used.
* This is where we can add markers or lines, add
listeners or move the camera. In this case,
* we just add a marker near Sydney, Australia.
* If Google Play services is not installed on the device,
the user will be prompted to install
* it inside the SupportMapFragment. This method will
only be triggered once the user has
* installed Google Play services and returned to the app.
*/
@Override
public void onMapReady(GoogleMap googleMap) {
mMap = googleMap;

// Add a marker in Sydney and move the camera
```

```
LatLng indira = new LatLng(18.610757751597646,
73.74875371696378);
mMap.addMarker(new
MarkerOptions().position(indira).title("Marker in Indira
College"));
mMap.setMapType(GoogleMap.MAP_TYPE_NORMAL);
mMap.getUiSettings().setRotateGesturesEnabled(true);
mMap.getUiSettings().setZoomControlsEnabled(true);
mMap.moveCamera(CameraUpdateFactory.newLatLng(i
ndira));
}
}
```

---

7 **Create an Android Application that will change color of the College Name on click of Push Button and change the font size, font style of text view using xml.**



```
<color name="colorPrimary">#6200EE</color>
<color name="colorPrimaryDark">#3700B3</color>
<color name="colorAccent">#03DAC5</color>
<color name="green">#0F9D58</color>
<color name="cool">#188FCF</color>
<color name="warm">#F1D416</color>
```

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

```
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:id="@+id/rlVar1"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:background="@color/green"
tools:context=".MainActivity">

<TextView
android:id="@+id/tvVar1"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_centerHorizontal="true"
android:layout_marginTop="240dp"
android:text="What would you like?"
android:textSize="30dp"
android:textStyle="bold" />

<LinearLayout
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@+id/tvVar1"
android:layout_centerInParent="true"
android:layout_marginTop="60dp"
android:orientation="horizontal"
android:padding="10dp">

<Button
android:id="@+id/btVar1"
android:layout_width="150dp"
android:layout_height="wrap_content"
android:padding="20dp"
android:text="Cool"
android:textSize="25dp" />

<Button
android:id="@+id/btVar2"
android:layout_width="150dp"
android:layout_height="wrap_content"
android:padding="20dp"
android:text="Warm"
```

```
android:textSize="25dp" />

</LinearLayout>

</RelativeLayout>
```

```
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RelativeLayout;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

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

Button button1, button2;
final RelativeLayout relativeLayout;

// set button 1 with its id
button1 = findViewById(R.id.btVar1);

// set button 2 with its id
button2 = findViewById(R.id.btVar2);

// set relative layout with its id
relativeLayout = findViewById(R.id.rlVar1);

// onClick function for button 1
button1.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
// set the color to relative layout
relativeLayout.setBackgroundResource(R.color.cool);
}
});

// onClick function for button 2
button2.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
```

```
// set the color to relative layout
relativeLayout.setBackgroundResource(R.color.warm);
}
});
}
}
```

---

8. **Create an Android Application to find the factorial of a number and Display the Result on Alert Box.**

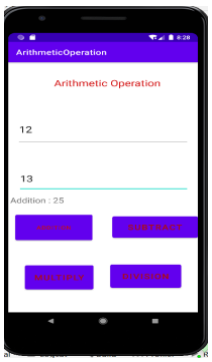

```
package com.example.factorialalertdemo;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
```

```
EditText edNum;
Button btFind;

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
edNum = findViewById(R.id.edNum);
btFind = findViewById(R.id.btFind);
btFind.setOnClickListener(new View.OnClickListener()
{
@Override
public void onClick(View v) {
int num =
Integer.parseInt(edNum.getText().toString());
int f = 1;
for(int i = 1;i<=num;i++)
f = f * i;
final AlertDialog.Builder myAlert = new
AlertDialog.Builder(MainActivity.this);
myAlert.setTitle("Factorial Demo")
.setMessage("The Facorial of "+num+" = "+f)
.setCancelable(true)
.setIcon(R.drawable.myhome)
```

```
.setPositiveButton("Yes", new
DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
finish();
}
});
myAlert.setNegativeButton("Cancel", new
DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
Toast.makeText(MainActivity.this,"U Pressed on
Cancel ",Toast.LENGTH_LONG).show();
}
});


myAlert.setNeutralButton("Retry", new
DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
Toast.makeText(MainActivity.this,"U Pressed on
Neutral ",Toast.LENGTH_LONG).show();
}
});
```

```
myAlert.create();
myAlert.show();


}
});
}
}
```

---

9. **Create a Simple Application, that performs Arithmetic Operations. (Use**  **constraint layout)**


```
package com.example.arithmeticoperation;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
TextView txtDisplay;
Button btAdd,btSub,btMul,btDiv;
EditText edA,edB;
int a,b;

@Override
protected void onCreate(Bundle savedInstanceState) {
```

```
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
init();

btAdd.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
a = Integer.parseInt(edA.getText().toString());
b = Integer.parseInt(edB.getText().toString());
int c = a+b;
txtDisplay.setText("Addition : "+c);
}
});
btSub.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
a = Integer.parseInt(edA.getText().toString());
b = Integer.parseInt(edB.getText().toString());
int c = a-b;
txtDisplay.setText("Subtract : "+c);
}
});
btMul.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
a = Integer.parseInt(edA.getText().toString());
b = Integer.parseInt(edB.getText().toString());
int c = a*b;
txtDisplay.setText("Multiply : "+c);
}
});
btDiv.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
a = Integer.parseInt(edA.getText().toString());
b = Integer.parseInt(edB.getText().toString());
int c = a/b;
txtDisplay.setText("Division : "+c);
}
});


}
public  void init()
```

```
{
txtDisplay = findViewById(R.id.txtDisplay);
btAdd = findViewById(R.id.btAdd);
btSub = findViewById(R.id.btSub);
btMul = findViewById(R.id.btMul);
btDiv = findViewById(R.id.btDiv);
edA = findViewById(R.id.edA);
edB = findViewById(R.id.edB);
}
}
```

---

10. Create an Android Application that sends the Notification on click of the button and display the notification message on second activity.

```
package com.example.notificationdemo;

import android.app.Activity;
import android.app.NotificationManager;
import android.app.PendingIntent;
import android.content.Context;
import android.content.Intent;
import android.support.v4.app.NotificationCompat;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class MainActivity extends Activity {
Button b1;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);

b1 = (Button)findViewById(R.id.button);
b1.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
addNotification();
}
});
}

private void addNotification() {
NotificationCompat.Builder builder =
new NotificationCompat.Builder(this)
```

```
.setSmallIcon(R.drawable.abc)
.setContentTitle("Notifications Example")
.setContentText("This is a test notification");

Intent notificationIntent = new Intent(this, MainActivity.class);
PendingIntent contentIntent = PendingIntent.getActivity(this, 0,
notificationIntent,
PendingIntent.FLAG_UPDATE_CURRENT);
builder.setContentIntent(contentIntent);

// Add as notification
NotificationManager manager = (NotificationManager)
getSystemService(Context.NOTIFICATION_SERVICE);
manager.notify(0, builder.build());
}
}
```

==========

11) Create an Android Application to accept two numbers and find power and Average. Display the result on the next activity on Button click

```
package com.example.addtwonumberdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {
TextView txtDisplay;
Button btAdd;
EditText edA,edB;
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
txtDisplay = findViewById(R.id.txtDisplay);
edA = findViewById(R.id.edA);
edB = findViewById(R.id.edB);
btAdd = findViewById(R.id.btAdd);
btAdd.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
int a = Integer.parseInt(edA.getText().toString());
int b = Integer.parseInt(edB.getText().toString());
int c = a +b;
txtDisplay.setText("Adiition "+c);

}
});
}
}
```

---

12 Create Android Application for performing the following operation on the table Customer (id, name, address, phno). (use SQLite database)

i) Insert New Customer Details.

ii) Show All the Customer Details on Toast Message.

Main list

```
package com.example.mycustomlistdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ListView;

public class MainActivity extends AppCompatActivity {
ListView listView;
Button   btDisplay;
```

```
        String myName[] =
{"C","CPP","Java","Android","HTML","Aaradhaya"};
        String myFather[] =
{"ABC","XYZ","LMN","PQR","HTML","Satish"};
        Integer img [] = {R.drawable.a1,
R.drawable.a1,R.drawable.a1,R.drawable.a1,R.drawable.a1,R.d
rawable.a1};

        @Override
        protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        listView = findViewById(R.id.myList);
        btDisplay = findViewById(R.id.btDisplay);
        btDisplay.setOnClickListener(new View.OnClickListener()
{
        @Override
        public void onClick(View v) {
        myJava myObj = new
myJava(getApplicationContext(),img,myName,myFather);
        listView.setAdapter(myObj);
        }
        });

        }
        }
```

```
        Main java
        package com.example.mycustomlistdemo;

        import android.content.Context;
        import android.view.LayoutInflater;
        import android.view.View;
        import android.view.ViewGroup;
        import android.widget.BaseAdapter;
        import android.widget.ImageView;
        import android.widget.TextView;

        public class myJava extends BaseAdapter{
        Integer img[];
        String myName[],myFather[];
        Context context;
```

```
        LayoutInflater inflater;
        public myJava(Context applicationContext, Integer[] img,
String[] myName, String[] myFather) {
        this.context = applicationContext;
        this.img = img;
        this.myName = myName;
        this.myFather = myFather;
        inflater = LayoutInflater.from(context);
        }

        @Override
        public int getCount() {
        return myName.length;
        }

        @Override
        public Object getItem(int position) {
        return null;
        }

        @Override
        public long getItemId(int position) {
        return 0;
        }

        @Override
        public View getView(int position, View view, ViewGroup
parent) {
        view = inflater.inflate(R.layout.mydisplay,null);
        TextView t1 = view.findViewById(R.id.textView2);
        TextView t2 = view.findViewById(R.id.textView3);
        ImageView imageView =
view.findViewById(R.id.imageView);
        t1.setText(myName[position]);
        t2.setText(myFather[position]);
        imageView.setImageResource(img[position]);
        return view;
        }
        }
```

Customer adapter

```
package com.example.mycustlistdemo;
```

```
import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.TextView;

public class MyCustAdapter extends BaseAdapter {
Context context;
String bookName[],aName[];
LayoutInflater inflater;


public MyCustAdapter(Context context, String[]
bookName, String[] aName) {
this.context = context;
this.bookName = bookName;
this.aName = aName;
inflater = LayoutInflater.from(context);
}

@Override
public int getCount() {
return bookName.length;
}

@Override
public Object getItem(int position) {
return null;
}

@Override
public long getItemId(int position) {
return 0;
}

@Override
public View getView(int position, View view, ViewGroup
parent) {
view = inflater.inflate(R.layout.custlistview,null);
```

```
TextView t1 = view.findViewById(R.id.bookname);
TextView t2 = view.findViewById(R.id.aName);
t1.setText(bookName[position]);
t2.setText(aName[position]);
return view;
}
}
```

---

13 Create an Android application to demonstrate phone call using Implicit Intent.

```
package com.example.implicitintentdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class MainActivity extends AppCompatActivity {
Button button;

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
button = findViewById(R.id.click);
button.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
Intent intent = new Intent(Intent.ACTION_VIEW);
//  Intent intent = new Intent(Intent.ACTION_VIEW);
```

```
intent.setData(Uri.parse("https://google.com"));
startActivity(intent);
}
});
}
}
```

---

14)Develop an Android application that create custom Alert Dialog containing Friends Name and onClick of Friend Name Button greet accordingly.


```
package com.example.alterdialogdemo;


import androidx.appcompat.app.AppCompatActivity;


import android.app.AlertDialog;
import android.app.Dialog;
import android.content.Context;
import android.content.DialogInterface;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
```

```
public class MainActivity extends AppCompatActivity {
Button b1,btnCustom,bt1;
Context context = this;



@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
b1 = findViewById(R.id.btAlert);
b1.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
final AlertDialog.Builder  myAlert = new
AlertDialog.Builder(MainActivity.this);
myAlert.setTitle("Confirm for Exit !");
myAlert.setMessage("Do u want to Exit the App");
myAlert.setIcon(R.drawable.mykey);
myAlert.setCancelable(false);
myAlert.setPositiveButton("OK", new
DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
finish();
```

```
}
});
myAlert.setNegativeButton("Cancel", new
DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
Toast.makeText(getApplicationContext(), " U pressed
on Cancel Button ", Toast.LENGTH_LONG).show();
}
});
myAlert.setNeutralButton("Retry", new
DialogInterface.OnClickListener() {
@Override
public void onClick(DialogInterface dialog, int which) {
Toast.makeText(getApplicationContext(), " U pressed
on Retry Button ", Toast.LENGTH_LONG).show();
}
});
myAlert.create();
myAlert.show();
}
});


}
}
```

15 Create an Android Application to perform Zoom In, Zoom Out operation and display Satellite view, on Google Map.

```
package com.example.mymap;

        import androidx.fragment.app.FragmentActivity;

import android.os.Bundle;

import
com.google.android.gms.maps.CameraUpdateFactory;
import com.google.android.gms.maps.GoogleMap;
import
com.google.android.gms.maps.OnMapReadyCallback;
import
com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import
com.google.android.gms.maps.model.MarkerOptions;
import
com.example.mymap.databinding.ActivityMapsBinding;

public class MapsActivity extends FragmentActivity
implements OnMapReadyCallback {
private GoogleMap mMap;
private ActivityMapsBinding binding;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);

binding =
ActivityMapsBinding.inflate(getLayoutInflater());
setContentView(binding.getRoot());
```

```
// Obtain the SupportMapFragment and get notified when
the map is ready to be used.
SupportMapFragment mapFragment =
(SupportMapFragment) getSupportFragmentManager()
.findFragmentById(R.id.map);
mapFragment.getMapAsync(this);
        }

/**
* Manipulates the map once available.
* This callback is triggered when the map is ready to be
used.
* This is where we can add markers or lines, add
listeners or move the camera. In this case,
* we just add a marker near Sydney, Australia.
* If Google Play services is not installed on the device,
the user will be prompted to install
        * it inside the SupportMapFragment. This method
        will only be triggered once the user has
* installed Google Play services and returned to the app.
*/
@Override
public void onMapReady(GoogleMap googleMap) {
mMap = googleMap;

// Add a marker in Sydney and move the camera
LatLng dyp = new LatLng(18.64606344723748,
73.75933132813883);
        mMap.addMarker(new
        MarkerOptions().position(dyp).title("Marker in
        DYP"));
        mMap.moveCamera(CameraUpdateFactory.newL
        atLng(dyp));
```

}
}

---

16)Create an Android Application that Demonstrate Radio Button

Main activity:-

```
package com.example.radiobuttondemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.RadioButton;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
RadioButton male,female,yes,no;

TextView textView;
```

```
String str = "";


@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
male = findViewById(R.id.male);
female = findViewById(R.id.female);
yes = findViewById(R.id.yes);
no = findViewById(R.id.no);
textView = findViewById(R.id.display);
/*  male.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
showMethod();
}
});


female.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
showMethod();
}
}); */
}
```

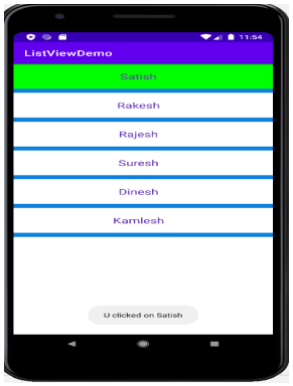
```
public void showMethod(View view){
str = "Male : "+male.isChecked()+"\n Female :
"+female.isChecked();
str = str+"\nYes : "+yes.isChecked()+"\n No :
"+no.isChecked();
textView.setText(str.toString());

Toast toast =
Toast.makeText(getApplicationContext(),str,Toast.LENGT
H_LONG);
toast.setMargin(200,100);
toast.show();
}
}
```

Second activity

```
package com.example.radiobuttondemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.Toast;

public class secondActivity extends AppCompatActivity {
```

```
RadioButton m,f;
Button button;
String str;

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_second);
m = findViewById(R.id.m);
f = findViewById(R.id.f);
button.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
str = "Male : "+m.isChecked()+"\n Female : "+f.isChecked();
Toast.makeText(getApplicationContext(),"U Selected
"+str,Toast.LENGTH_LONG).show();
}
});

}
}
```

17) **Create an Android Application that Demonstrate ListView and Onclick of List Display the Toast.**




```
package com.example.imagelistviewdemo;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.ListView;

import java.util.Collections;

public class MainActivity extends AppCompatActivity {
ListView listView;
int img [] =
{R.drawable.a1,R.drawable.a2,R.drawable.a3,R.drawable.a4,
R.drawable.a5,R.drawable.a6,R.drawable.a7,R.drawable.a8,R
.drawable.a9,R.drawable.a10};
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
listView = findViewById(R.id.myList);
ArrayAdapter arrayAdapter = new
ArrayAdapter(this,R.layout.imageviewdemo,R.id.imageView,
ollections.singletonList(img));
listView.setAdapter(arrayAdapter);
}
```

```
}
```

18) **Write a program to search a specific location on Google Map**

```
package com.example.mygooglemapdemo;

import androidx.fragment.app.FragmentActivity;

import android.os.Bundle;

        import
        com.google.android.gms.maps.CameraUpdateFac
        tory;
import com.google.android.gms.maps.GoogleMap;
        com.google.android.gms.maps.OnMapReadyCallb
        ack;
import
com.google.android.gms.maps.SupportMapFragment;
import com.google.android.gms.maps.model.LatLng;
import
com.google.android.gms.maps.model.MarkerOptions;
import
com.example.mygooglemapdemo.databinding.ActivityM
apsBinding;
public class MapsActivity extends FragmentActivity
implements OnMapReadyCallback {
        private GoogleMap mMap;
      private ActivityMapsBinding binding;

        @Override
        protected void onCreate(Bundle
        savedInstanceState) {
super.onCreate(savedInstanceState);
```

```
binding =
ActivityMapsBinding.inflate(getLayoutInflater());
setContentView(binding.getRoot());

        // Obtain the SupportMapFragment and get
        notified when the map is ready to be used.
        SupportMapFragment mapFragment =
        (SupportMapFragment)
        getSupportFragmentManager()
.findFragmentById(R.id.map);
mapFragment.getMapAsync(this);
        }
/**
        * Manipulates the map once available.
        * This callback is triggered when the map is
        ready to be used.
        * This is where we can add markers or lines, add
        listeners or move the camera. In this case,
* we just add a marker near Sydney, Australia.
        * If Google Play services is not installed on the
        device, the user will be prompted to install
        * it inside the SupportMapFragment. This method
        will only be triggered once the user has
* installed Google Play services and returned to the app.
        */
    @Override
        public void onMapReady(GoogleMap googleMap) {
mMap = googleMap;

        // Add a marker in Sydney and move the camera
LatLng dpu = new LatLng(18.624572264397l2,
73.82118714788818);
```

```
        mMap.addMarker(new
        MarkerOptions().position(dpu).title("Marker in
        DPU "));
        mMap.moveCamera(CameraUpdateFactory.newL
        atLng(dpu));
        mMap.setMapType(GoogleMap.MAP_TYPE_TERRA
        IN);
mMap.getUiSettings().setZoomControlsEnabled(true);
        }
    }
```

---

19)Create application to send email with attachment.

```
import android.app.Activity;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
public class MainActivity extends Activity {
EditText etEmail;
EditText etSubject;
EditText etMessage;
Button Send;
Button attachment;
TextView tvAttachment;
String email;
String subject;
String message;
```

```
Uri URI = null;
private static final int PICK_FROM_GALLERY = 101;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
etEmail = findViewById(R.id.etTo);
etSubject = findViewById(R.id.etSubject);
etMessage = findViewById(R.id.etMessage);
attachment = findViewById(R.id.btAttachment);
tvAttachment = findViewById(R.id.tvAttachment);
Send = findViewById(R.id.btSend);
Send.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
sendEmail();
}
});
//attachment button listener
attachment.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
openFolder();
}
});
}
protected void onActivityResult(int requestCode, int resultCode, Intent
data) {
if (requestCode == PICK_FROM_GALLERY && resultCode == RESULT_OK) {
URI = data.getData();
```

```
tvAttachment.setText(URI.getLastPathSegment());

tvAttachment.setVisibility(View.VISIBLE);

}

}

public void sendEmail() {

try {

email = etEmail.getText().toString();

subject = etSubject.getText().toString();

message = etMessage.getText().toString();

final Intent emailIntent = new
Intent(android.content.Intent.ACTION_SEND);

emailIntent.setType("plain/text");

emailIntent.putExtra(android.content.Intent.EXTRA_EMAIL, new
String[]{email});

emailIntent.putExtra(android.content.Intent.EXTRA_SUBJECT, subject);

if (URI != null) {

emailIntent.putExtra(Intent.EXTRA_STREAM, URI);

}

emailIntent.putExtra(android.content.Intent.EXTRA_TEXT, message);

this.startActivity(Intent.createChooser(emailIntent, "Sending email..."));

} catch (Throwable t) {

Toast.makeText(this, "Request failed try again: "+ t.toString(),
Toast.LENGTH_LONG).show();

}

}

public void openFolder() {

Intent intent = new Intent();

intent.setType("image/*");

intent.setAction(Intent.ACTION_GET_CONTENT);

intent.putExtra("return-data", true);
```

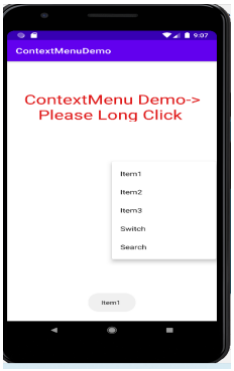
startActivityForResult(Intent.createChooser(intent, "Complete action using"), PICK_FROM_GALLERY);

}

}

---

20) **Create an Android Application that Demonstrate ContextMenu.**



import android.graphics.Color;

import android.os.Bundle;

import android.view.ContextMenu;

import android.view.MenuItem;

import android.view.View;

import android.widget.RelativeLayout;

import android.widget.TextView;

import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

TextView textView;

RelativeLayout relativeLayout;

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

// Link those objects with their respective id's
// that we have given in .XML file
textView = (TextView) findViewById(R.id.textView);
relativeLayout = (RelativeLayout) findViewById(R.id.relLayout);

// here you have to register a view for context menu
// you can register any view like listview, image view,
// textview, button etc
registerForContextMenu(textView);

}

@Override
public void onCreateContextMenu(ContextMenu menu, View v,
ContextMenu.ContextMenuInfo menuInfo) {
super.onCreateContextMenu(menu, v, menuInfo);
// you can set menu header with title icon etc
menu.setHeaderTitle("Choose a color");
// add menu items
menu.add(0, v.getId(), 0, "Yellow");
menu.add(0, v.getId(), 0, "Gray");
menu.add(0, v.getId(), 0, "Cyan");
```

```
}

// menu item select listener
@Override
public boolean onContextItemSelected(MenuItem item) {

if (item.getTitle() == "Yellow") {
relativeLayout.setBackgroundColor(Color.YELLOW);
} else if (item.getTitle() == "Gray") {
relativeLayout.setBackgroundColor(Color.GRAY);
} else if (item.getTitle() == "Cyan") {
relativeLayout.setBackgroundColor(Color.CYAN);
}

return true;
}
}
```

Theory question paper practicals qa

1) Write an Android Application to show the current system date and time on TextView. (Use Date Picker and Time Picker). **

```
package com.example.timedatepickerdemo;
```

```
import
androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.TextView;
import android.widget.Toast;

import java.util.Calendar;

public class DateDemo extends
AppCompatActivity {
DatePicker datePicker;
TextView textView;
Button button,end,btDialog;
DatePickerDialog datePickerDialog;


@Override
protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_date_demo);
datePicker = (DatePicker)
findViewById(R.id.datePicker);
textView = (TextView)
findViewById(R.id.textView);
button = (Button) findViewById(R.id.button);
end = (Button)findViewById(R.id.button2);
btDialog = findViewById(R.id.btDialog);
```

```
        textView.setOnClickListener(new
        View.OnClickListener() {
        @Override
        public void onClick(View v) {
        showMyDate();
}
    });
    btDialog.setOnClickListener(new
    View.OnClickListener() {
        @Override
public void onClick(View v) {
showMyDate();
}       });
textView.setText("Selected Date will display here ");


end.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
finish();
}       });
button.setOnClickListener(new View.OnClickListener()
{
@Override
public void onClick(View view) {
showDate();
}
```

```
});
}

public  void showMyDate(){
final Calendar c = Calendar.getInstance();
int y = c.get(Calendar.YEAR);
int m = c.get(Calendar.MONTH);
int d = c.get(Calendar.DAY_OF_MONTH);
datePickerDialog = new DatePickerDialog(this, new
DatePickerDialog.OnDateSetListener() {
@Override
    public void onDateSet(DatePicker view, int year,
    int month, int dayOfMonth) {
Toast.makeText(getApplicationContext(),"DATE :
"+dayOfMonth+" / "+month+" /
"+year,Toast.LENGTH_LONG).show();
    }
    },y,m,d);
    /*  datePickerDialog = new DatePickerDialog(this,
    new DatePickerDialog.OnDateSetListener()
    {
    @Override
    public void onDateSet(DatePicker datePicker, int
    y, int m, int d)
    {
    textView.setText(datePicker.getDayOfMonth()+
    "/"+ (m + 1) + "/" + datePicker.getYear());
    }
```

```
        },y,m,d); */
datePickerDialog.show();
}



   public void showDate() {
        int d = datePicker.getDayOfMonth();
        int m = datePicker.getMonth();
        int y = datePicker.getYear();

textView.setText("Selected Date : " + d + " / " + (m+1)+
" /" + y);
        }

        }
```

```
        package com.example.timedatepickerdemo;

        import
        androidx.appcompat.app.AppCompatActivity;

        import android.os.Build;
        import android.os.Bundle;
        import android.view.View;
        import android.widget.Button;
        import android.widget.TextView;
        import android.widget.TimePicker;
```

```
public class MainActivity extends
AppCompatActivity {
TextView textView;
Button btShow;
TimePicker timePicker;
int h, m;

@Override
protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
textView = findViewById(R.id.textView);
btShow = findViewById(R.id.btShow);
timePicker =
findViewById(R.id.simpleTimePicker);
timePicker.setIs24HourView(false);

btShow.setOnClickListener(new
View.OnClickListener() {
@Override
public void onClick(View v) {
if (Build.VERSION.SDK_INT >=
Build.VERSION_CODES.M) {
h = timePicker.getHour();
m = timePicker.getMinute();
}
  textView.setText(h+"  :   "+m);
}
});
```

```
timePicker.setOnTimeChangedListener(new
TimePicker.OnTimeChangedListener() {
@Override
      public void onTimeChanged(TimePicker view, int
      h1, int m1) {
   //
h = h1;
m = m1;
      textView.setText(h+"  :   "+m);
}


});
   }
      }
```

---

2) Write an Android Application to demonstrate ToggleButton. Use any three methods of ToggleButton **

```
package example.javatpoint.com.togglebutton;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
import android.widget.ToggleButton;

public class MainActivity extends AppCompatActivity {
private ToggleButton toggleButton1, toggleButton2;
private Button buttonSubmit;
@Override
```

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

addListenerOnButtonClick();
}

public void addListenerOnButtonClick(){
//Getting the ToggleButton and Button instance from the layout xml f
ile
toggleButton1=(ToggleButton)findViewById(R.id.toggleButton);
toggleButton2=(ToggleButton)findViewById(R.id.toggleButton2);
buttonSubmit=(Button)findViewById(R.id.button);

//Performing action on button click
buttonSubmit.setOnClickListener(new View.OnClickListener(){

@Override
public void onClick(View view) {
StringBuilder result = new StringBuilder();
result.append("ToggleButton1 : ").append(toggleButton1.getText());
result.append("\nToggleButton2 : ").append(toggleButton2.getText())
;
//Displaying the message in toast
Toast.makeText(getApplicationContext(), result.toString(),Toast.LE
NGTH_LONG).show();
}

});

}
}
```

---

3) Write an application to perform lowercase and uppercase conversion of a string when user clicks on respective menu option. **

---

4) WRITE an application to send E-mail. (Using,— To, Subject and Message) **

```
package com.tutlane.sendmailexample;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

   private EditText eTo;
   private EditText eSubject;
   private EditText eMsg;
   private Button btn;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
      super.onCreate(savedInstanceState);
      setContentView(R.layout.activity_main);
      eTo = (EditText)findViewById(R.id.txtTo);
      eSubject = (EditText)findViewById(R.id.txtSub);
      eMsg = (EditText)findViewById(R.id.txtMsg);
      btn = (Button)findViewById(R.id.btnSend);
      btn.setOnClickListener(new View.OnClickListener() {
         @Override
         public void onClick(View v) {
            Intent it = new Intent(Intent.ACTION_SEND);
            it.putExtra(Intent.EXTRA_EMAIL, new String[]{eTo.getText().toSt
ring()});
            it.putExtra(Intent.EXTRA_SUBJECT,eSubject.getText().toString()
);
            it.putExtra(Intent.EXTRA_TEXT,eMsg.getText());
            it.setType("message/rfc822");
            startActivity(Intent.createChooser(it,"Choose Mail App"));
         }
      });
   }
}
```

-

==========

==========

5) WRITE AN ANDROID APPLICATION TO SHOEW THE RADIO BUTTON STATUS TOAST **

```
?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
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 your Subject ?"
android:textStyle="bold"
android:layout_marginLeft="10dp"
android:textSize="20sp"/>

<!-- add RadioGroup which contain the many RadioButton-->
<RadioGroup
android:layout_marginTop="50dp"
android:id="@+id/groupradio"
android:layout_marginLeft="10dp"
android:layout_width="fill_parent"
android:layout_height="wrap_content">

<!-- In RadioGroup create the 1 Radio Button-->
<!-- like this we will add some more Radio Button-->
<RadioButton
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:id="@+id/radia_id1"
android:text="DBMS"
android:textSize="20sp"/>

<RadioButton
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:id="@+id/radia_id2"
android:text="C/C++ Programming"
android:textSize="20sp"/>
```

```
<RadioButton
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:id="@+id/radia_id3"
android:text="Data Structure"
android:textSize="20sp"/>

<RadioButton
android:layout_width="fill_parent"
android:layout_height="wrap_content"
android:id="@+id/radia_id4"
android:text="Algorithms"
android:textSize="20sp"/>
</RadioGroup>

<!-- add button For Submit the Selected item-->
<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Submit"
android:id="@+id/submit"
android:textStyle="bold"
android:textSize="20sp"
android:layout_marginTop="200dp"
android:layout_marginLeft="180dp"
/>

<!-- add clear button for clear the selected item-->
<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Clear"
android:id="@+id/clear"
android:textSize="20sp"
android:textStyle="bold"
android:layout_marginTop="200dp"
android:layout_marginLeft="20dp"
/>

</RelativeLayout>
```

Filename: MainActivity.Java

- **Java**

```
package org.geeksforgeeks.navedmalik.radiobuttons;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

// Define the object for Radio Group,
// Submit and Clear buttons
private RadioGroup radioGroup;
Button submit, clear;

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

// Bind the components to their respective objects
// by assigning their IDs
// with the help of findViewById() method
submit = (Button)findViewById(R.id.submit);
clear = (Button)findViewById(R.id.clear);
radioGroup = (RadioGroup)findViewById(R.id.groupradio);

// Uncheck or reset the radio buttons initially
radioGroup.clearCheck();

// Add the Listener to the RadioGroup
radioGroup.setOnCheckedChangeListener(
new RadioGroup
.OnCheckedChangeListener() {
@Override

// The flow will come here when
// any of the radio buttons in the radioGroup
```

```
// has been clicked

// Check which radio button has been clicked
public void onCheckedChanged(RadioGroup group,
int checkedId)
{

// Get the selected Radio Button
RadioButton
radioButton
= (RadioButton)group
.findViewById(checkedId);
}
});

// Add the Listener to the Submit Button
submit.setOnClickListener(new View.OnClickListener() {

@Override
public void onClick(View v)
{

// When submit button is clicked,
// Ge the Radio Button which is set
// If no Radio Button is set, -1 will be returned
int selectedId = radioGroup.getCheckedRadioButtonId();
if (selectedId == -1) {
Toast.makeText(MainActivity.this,
"No answer has been selected",
Toast.LENGTH_SHORT)
.show();
}
else {

RadioButton radioButton
= (RadioButton)radioGroup
.findViewById(selectedId);

// Now display the value of selected item
// by the Toast message
Toast.makeText(MainActivity.this,
radioButton.getText(),
Toast.LENGTH_SHORT)
```

```
.show();
}
}
});

// Add the Listener to the Submit Button
clear.setOnClickListener(new View.OnClickListener() {

@Override
public void onClick(View v)
{

// Clear RadioGroup
// i.e. reset all the Radio Buttons
radioGroup.clearCheck();
}
});
}
}
```

---

6) Write an Android Application to demonstrate ToggleButton.

```
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import android.widget.ToggleButton;

public class MainActivity
extends AppCompatActivity {

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

togglebutton
```

```
= (ToggleButton)findViewById(
R.id.toggleButton);

textview
= (TextView)findViewById(
R.id.textView);
}
public void onToggleClick(View view)
{
if (togglebutton.isChecked()) {
textview.setText("Toggle is ON");
}
else {
textview.setText("Toggle is OFF");
}
}
}
```

---

7) Write an application to change the color of a string when the user clicks on the respective color button.

```
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RelativeLayout;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main)
Button button1, button2;
final RelativeLayout relativeLayout
button1 = findViewById(R.id.btVar1);
button2 = findViewById(R.id.btVar2);       relativeLayout =
findViewById(R.id.rlVar1);

button1.setOnClickListener(new View.OnClickListener() {
```

```
@Override
public void onClick(View view) {
relativeLayout.setBackgroundResource(R.color.cool);
}
});
button2.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View view) {
relativeLayout.setBackgroundResource(R.color.warm);
}
});
}
}
```

---

8) WRITE AN APPLICATION TO SEND E-MAIL. (USING – TO,SUBJECT, AND MESSAGE) ?

```
package com.tutlane.sendmailexample;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

   private EditText eTo;
   private EditText eSubject;
   private EditText eMsg;
   private Button btn;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
      super.onCreate(savedInstanceState);
      setContentView(R.layout.activity_main);
      eTo = (EditText)findViewById(R.id.txtTo);
      eSubject = (EditText)findViewById(R.id.txtSub);
      eMsg = (EditText)findViewById(R.id.txtMsg);
      btn = (Button)findViewById(R.id.btnSend);
      btn.setOnClickListener(new View.OnClickListener() {
         @Override
         public void onClick(View v) {
```

```
            Intent it = new Intent(Intent.ACTION_SEND);
            it.putExtra(Intent.EXTRA_EMAIL, new String[]{eTo.getText().toSt
ring()});
            it.putExtra(Intent.EXTRA_SUBJECT,eSubject.getText().toString()
);
            it.putExtra(Intent.EXTRA_TEXT,eMsg.getText());
            it.setType("message/rfc822");
            startActivity(Intent.createChooser(it,"Choose Mail App"));
        }
      });
   }
}
```

---

9) Write an Android Application to show the Factorial of a number.

```
package com.droidacid.apticalc.aptitudes;
import android.app.Activity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import com.droidacid.apticalc.R;
public class AptiFactorial extends Activity implements
android.view.View.OnClickListener{
EditText number;
TextView answer;
Button calculate;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.apti_factorial);
initialize();
}
private void initialize() {
number = (EditText) findViewById(R.id.et_apti_number);
number.setHint("Enter number to be factorialized :P")
answer = (TextView) findViewById(R.id.tv_apti_answer);
calculate = (Button) findViewById(R.id.b_apti_calc);
calculate.setOnClickListener(this);
}
private long calcFactorial() {
long factorial = 1;
```

```
try {
factorial = Long.parseLong(number.getText().toString());
for(int i=factorial-1; i>0; i--){
factorial = i * factorial;
}
} catch (NumberFormatException e) {
Toast.makeText(this, "Incorrect Input",
Toast.LENGTH_LONG).show();
} finally {}
return factorial;
}
@Override
public void onClick(View v) {
answer.setText("Factorial of " + number.getText().toString() + " is
: " + calcFactorial());
}
```

---

10) Write an application to perform lowercase and uppercase conversion of a string when the user clicks on the respective menu option.

REPEAT 28 **##

---

11) Write an application to send E-mail. (Using,—To, Subject and Message)

Repeat 29 ##**

---

12)Write an android Application to show the CheckBox status using Toast.

CheckBox code in XML:

```
<CheckBox
android:id="@+id/simpleCheckBox"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Simple CheckBox"/>
```

```
package example.abhiandriod.checkboxexample;
```

```
import android.graphics.Color;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity implements
View.OnClickListener {

CheckBox android, java, python, php, unity3D;

@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
// initiate views
android = (CheckBox) findViewById(R.id.androidCheckBox);
android.setOnClickListener(this);
java = (CheckBox) findViewById(R.id.javaCheckBox);
java.setOnClickListener(this);
python = (CheckBox) findViewById(R.id.pythonCheckBox);
python.setOnClickListener(this);
php = (CheckBox) findViewById(R.id.phpCheckBox);
php.setOnClickListener(this);
unity3D = (CheckBox) findViewById(R.id.unityCheckBox);
unity3D.setOnClickListener(this);
```

```
}


@Override

public void onClick(View view) {


switch (view.getId()) {

case R.id.androidCheckBox:

if (android.isChecked())

Toast.makeText(getApplicationContext(), "Android",
Toast.LENGTH_LONG).show();

break;

case R.id.javaCheckBox:

if (java.isChecked())

Toast.makeText(getApplicationContext(), "Java",
Toast.LENGTH_LONG).show();

break;

case R.id.phpCheckBox:

if (php.isChecked())

Toast.makeText(getApplicationContext(), "PHP",
Toast.LENGTH_LONG).show();

break;

case R.id.pythonCheckBox:

if (python.isChecked())

Toast.makeText(getApplicationContext(), "Python",
Toast.LENGTH_LONG).show();

break;

case R.id.unityCheckBox:

if (unity3D.isChecked())

Toast.makeText(getApplicationContext(), "Unity 3D",
Toast.LENGTH_LONG).show();

break;
```

```
}
}
}
```

.DOT NET FRAMEWORK

1 Write a C# Sharp program to print the basic math operations of two numbers

Solution :-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace ConsoleApplication1
{
class Program
{
static void Main (string [] args)
{
/*************************************************************
alphabetacoder.com
C# program for addition, subtraction, multiplication, division
*************************************************************/
int a, b, w, x, y, z;

//take input in fahrenheit
Console.Write("Enter first number: ");
a = Convert.ToInt32(Console.ReadLine());
Console.Write("Enter second number: ");
b = Convert.ToInt32(Console.ReadLine());

// compute operation
w = a + b;
x = a - b;
y = a * b;
z = a / b;

// display output
Console.WriteLine("Addition: " + w);
Console.WriteLine("Subtraction: " + x);
```

```
Console.WriteLine("Multiplication: " + y);
Console.WriteLine("Division: " + z);

// wait for user to press any key
Console.ReadKey();

}
}
}
```

2.Write a C# Sharp program to print the swapping of two numbers

Solution:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace swapping of_ numbers
{
class Program
{
static void Main(string[] args)
{
int number1, number2, temp;
Console.Write("\nInput the First Number : ");
number1 = int.Parse(Console.ReadLine());
Console.Write("\nInput the Second Number : ");
number2 = int.Parse(Console.ReadLine());
temp = number1;
number1 = number2;
number2 = temp;
Console.Write("\nAfter Swapping : ");
Console.Write("\nFirst Number : " + number1);
Console.Write("\nSecond Number : " + number2);
Console.Read();
}
}
}
```

3.Write a C# Sharp program to print Prime Numbers

Solution:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
public class PrimeNumberExample
{
```

```
public static void Main(string[] args)
{
int n, i, m=0, flag=0;
Console.Write("Enter the Number to check Prime: ");
n = int.Parse(Console.ReadLine());
m=n/2;
for(i = 2; i <= m; i++)
{
if(n % i == 0)
{
Console.Write("Number is not Prime.");
flag=1;
break;
}
}
if (flag==0)
Console.Write("Number is Prime.");
}
```

==========

---

4. Write a C# Sharp program to print the even Odd numbers between 100

Solution:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace evenodd_numbers
{
class Program
{
static void Main(string[] args)
{
int i = 0;

Console.WriteLine("Even Numbers :");
for (i = 1; i <= 100; i++)
{
if (i % 2 == 0)
{
Console.Write(i + " ");
}
}

Console.WriteLine("\n Odd Numbers :");
for (i = 1; i <= 100; i++)
{
if (i % 2 != 0)
{
Console.Write(i + " ");
}
}
```

```
Console.WriteLine();
}
}
}
```

==========

5. Write a C# Sharp program to print the Armstrong number

Solution:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace Armstrongnumber
{
class Program
{
static void Main(string[] args)
{
int number, rem, temp, sum = 0;
Console.WriteLine("-----------------------------------------------------");
Console.WriteLine("        Check Number Is Armstrong Or Not           ");
Console.WriteLine("-----------------------------------------------------");
Console.Write("Enter Your Number To Check :: ");
number = int.Parse(Console.ReadLine());

temp = number;
while (number > 0)
{
rem = number % 10;
sum = sum + (rem * rem * rem);
number = number / 10;
}

if (temp == sum)
Console.WriteLine(temp + " Is A Armstrong Number");
else
Console.WriteLine(temp + " Is Not A Armstrong Number");
Console.ReadKey();
}
}
}
```

---

6. Write a C# Sharp program to print Array values

Solution:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace SingleDimentaionalArray
{
class Program
{
static void Main(string[] args)
{
int[] arr = new int[5];
int i;
Console. Write("\n\n Read and Print elements of an array:\n");
```

```
Console.Write("----------------------------------------\n");

Console.Write("Input 10 elements in the array :\n");
for (i = 0; i < 5; i++)
{
Console.Write("element - {0} : ", i);
arr[i] = Convert.ToInt32(Console.ReadLine());
}

Console.Write("\nElements in array are: ");
for (i = 0; i < 5; i++)
{
Console.Write("{0}  ", arr[i]);
}
Console.Write("\n");
Console.ReadKey();


}
}
}
```

7. Write a C# Sharp program to print 2 D array

Solution:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace _2D_Array
{
class Program
{
static void Main(string[] args)
{
int i, j;
        int[,] arr1 = new int[3, 3];

Console.Write("\n\nRead a 2D array of size 3x3 and print the matrix :\n");
Console.Write("---------------------------------------------------\n");


/* Stored values into the array*/
Console.Write("Input elements in the matrix :\n");
for (i = 0; i < 3; i++)
{
for (j = 0; j < 3; j++)
{
Console.Write("element - [{0},{1}] : ", i, j);
        arr1[i, j] = Convert.ToInt32(Console.ReadLine());
}
}

Console. Write ("\n The matrix is : \n");
for (i = 0; i < 3; i++)
{
Console.Write("\n");
for (j = 0; j < 3; j++ )
Console. Write("{0}\t", arr1[i, j]);
}
Console.Write("\n\n");
```

```
        Console.ReadKey();
}
}
        }
```

---

8. Write a C# Sharp program to print addition of 2D Array

Solution:-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace additionofmatrix
{
class Program
{
static void Main (string[] args)
{
int i = 0;
int j = 0;

int row = 2;
int col = 2;

int[,] Matrix1 = new int[row, col];
int[,] Matrix2 = new int[row, col];
int[,] Matrix3 = new int[row, col];

Console.WriteLine("Enter the elements of Matrix1: ");
for (i = 0; i < row; i++)
{
for (j = 0; j < col ;  j++)
{
Matrix1[i, j] = int. Parse(Console.ReadLine());
}
}

Console.WriteLine("Enter the elements of Matrix2: ");
for (i = 0; i < row; i++)
{
for (j = 0; j < col; j++)
{
Matrix2[i, j] = int.Parse(Console.ReadLine());
}
}


for (i = 0; i < row; i++)
{
for (j = 0; j < col; j++)
{
Matrix3[i, j] = Matrix1[i, j] + Matrix2[i, j];
}
}
Console.WriteLine("\nMatrix1:");
for (i = 0; i < row; i++)
{
for (j = 0; j < col; j++)
{
```

```
Console. Write(Matrix1[i, j] + "\t");

}
Console.WriteLine();
}

Console.WriteLine("\nMatrix2:");
for (i = 0; i < row; i++)
{
for (j = 0; j < col; j++)
{
Console. Write(Matrix2[i, j] + "\t");

}
Console.WriteLine();
}

Console. WriteLine("\n Addition of Matrix1 and Matrix2:");
for (i = 0; i < row; i++)
{
for (j = 0; j < col; j++)
{
Console. Write(Matrix3[i, j] + "\t");

}
Console.WriteLine();
Console.ReadKey();
}
}
}
}
```

---

9. Write a web application in asp.net using c# to select date from calendar control and display name of the day, name of the month from the selected date.

Solution:-

WebControls.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebContr
ols.aspx.cs"
Inherits="Web Forms Controlls. WebControls" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>  </head>
<body>
<form id="form1" runat="server">
<h2>Select Date from the Calender</h2>
<div>
<asp:Calendar ID="Calendar1" runat="server"
OnSelectionChanged="Calendar1_SelectionChanged"></asp:Calendar>
</div>
</form>
<p>
<asp:Label runat="server" ID="ShowDate" ></asp:Label>     </p>
```

```
</body>
</html>
```

WebControls.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WebFormsControlls
{
public partial class WebControls : System.Web.UI.Page
{
public void Calendar1_SelectionChanged(object sender, EventArgs e)
{
ShowDate.Text = "You Selected: "+Calendar1.SelectedDate.ToString("D");
}
}
}
```

10 . Write a web application in asp.net using c# to select the fruit name from the dropdown list and display that on label (example Mango, Banana, orange will be options and if you select orange it should display on label).

GLOBAL ASAX.

```
using System;
using System. Collections. Generic;
using System.Linq;
using System. Web;
using System.Web.Security;
using System.Web.SessionState;

namespace Dropdown_example
{
public class Global : System.Web.HttpApplication
{

void Application_ Start (object sender, EventArgs e)
{
// Code that runs on application startup

}

void Application_ End(object sender, EventArgs e)
{
//  Code that runs on application shutdown

}

void Application_Error(object sender, EventArgs e)
{
// Code that runs when an unhandled error occurs

}

void Session_Start(object sender, EventArgs e)
```

```
{
// Code that runs when a new session is started

}

void Session_End(object sender, EventArgs e)
{
// Code that runs when a session ends.
// Note: The Session_End event is raised only when the sessionstate mode
// is set to InProc in the Web.config file. If session mode is set to StateServer
// or SQLServer, the event is not raised.

}

}
}
```

SITE MASTER

```
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site.master.cs"
Inherits="Dropdown_example.SiteMaster" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head runat="server">
<title></title>
<link href="~/Styles/Site.css" rel="stylesheet" type="text/css" />
<asp:ContentPlaceHolder ID="HeadContent" runat="server">
</asp:ContentPlaceHolder>
</head>
<body>
<form runat="server">
<div class="page">
<div class="header">
<div class="title">
<h1>
My ASP.NET Application
</h1>
</div>
<div class="loginDisplay">
<asp:LoginView ID="HeadLoginView" runat="server" EnableViewState="false">
<AnonymousTemplate>
[ <a href="~/Account/Login.aspx" ID="HeadLoginStatus" runat="server">Log In</a> ]
</AnonymousTemplate>
<LoggedInTemplate>
Welcome <span class="bold"><asp:LoginName ID="HeadLoginName" runat="server" /></span>!
[ <asp:LoginStatus ID="HeadLoginStatus" runat="server" LogoutAction="Redirect"
LogoutText="Log Out" LogoutPageUrl="~/"/> ]
</LoggedInTemplate>
</asp:LoginView>
</div>
<div class="clear hideSkiplink">
<asp:Menu ID="NavigationMenu" runat="server" CssClass="menu" EnableViewState="false"
IncludeStyleBlock="false" Orientation="Horizontal">
<Items>
<asp:MenuItem NavigateUrl="~/Default.aspx" Text="Home"/>
<asp:MenuItem NavigateUrl="~/About.aspx" Text="About"/>
</Items>
</asp:Menu>
</div>
</div>
<div class="main">
<asp:ContentPlaceHolder ID="MainContent" runat="server"/>
```

```
</div>
<div class="clear">
</div>
</div>
<div class="footer">

</div>
</form>
</body>
</html>
```

WEB FORM

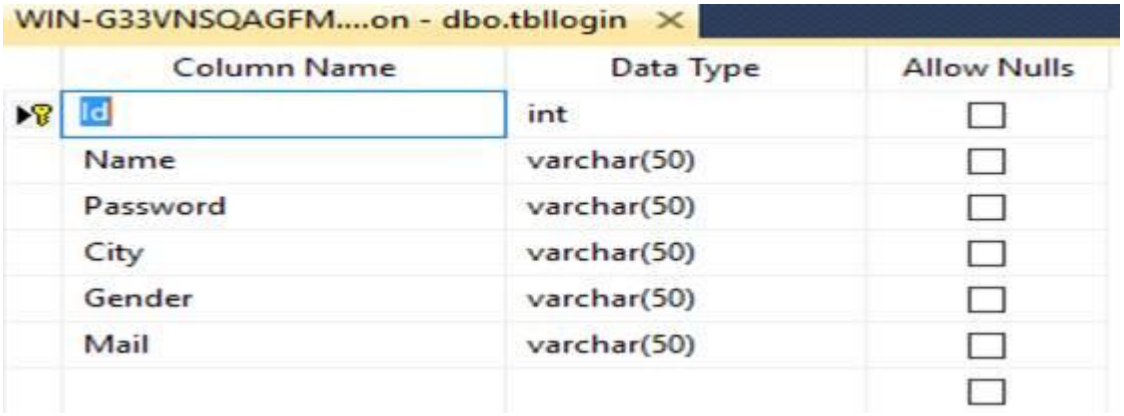
```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Dropdown_example.WebForm1" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<p>Select fruit of u r choice</p>
<div>
<asp:DropDownList ID="DropDownList1" runat="server" Height="28px" Width="112px" >
<asp:ListItem Value="">Please Select</asp:ListItem>
<asp:ListItem>Mango </asp:ListItem>
<asp:ListItem>Banana</asp:ListItem>
<asp:ListItem>Orange</asp:ListItem>

</asp:DropDownList>
</div>
<br />
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
<br />
<br />
<asp:Label ID="Label1" runat="server" EnableViewState="False"></asp:Label>
</form>
</body>
</html>
```

---

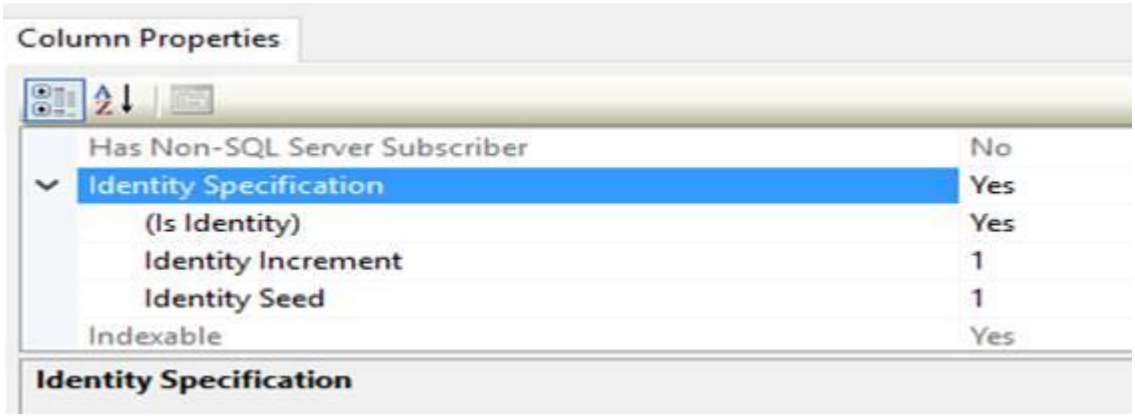
11) Create ASP.Net using c# web application for registration form with database connectivity

Step 1 - Create a table in the database (SQL Server 2012)

1. Create a database and name it as Login.
2. Add the table (here table name: tbllogin)
3. Set primary key to Id column.
4.

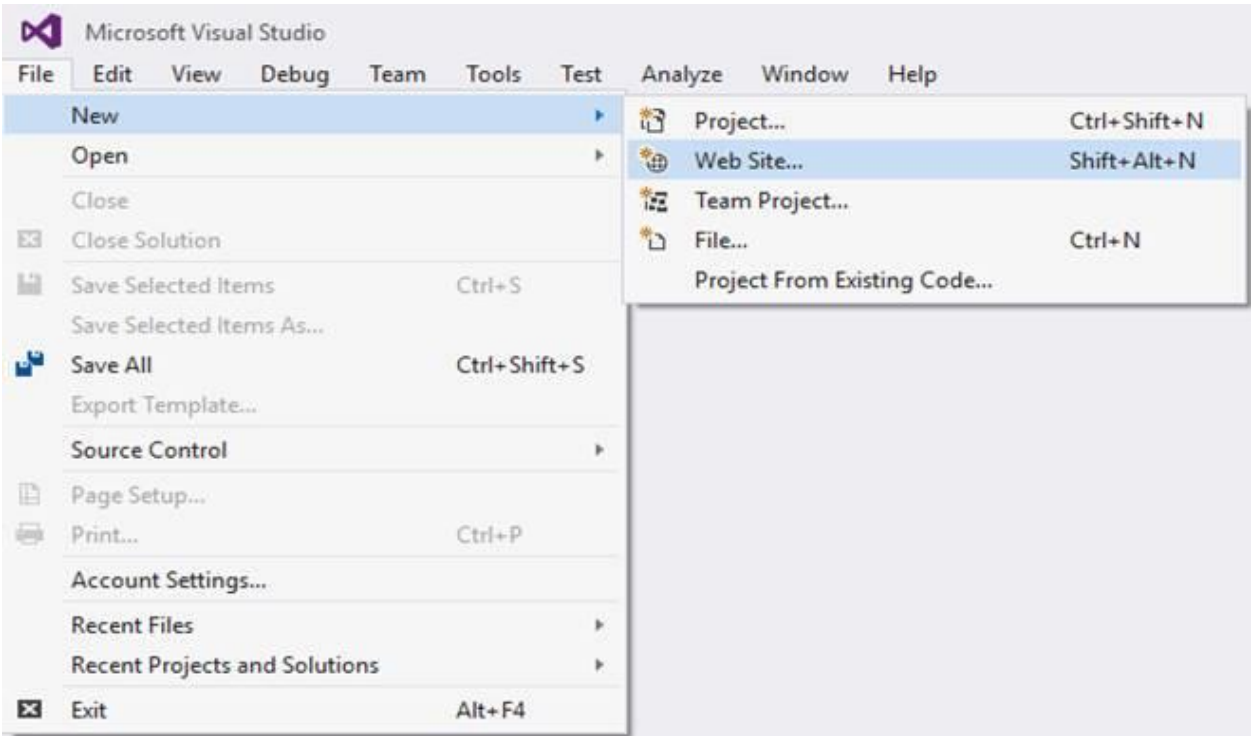


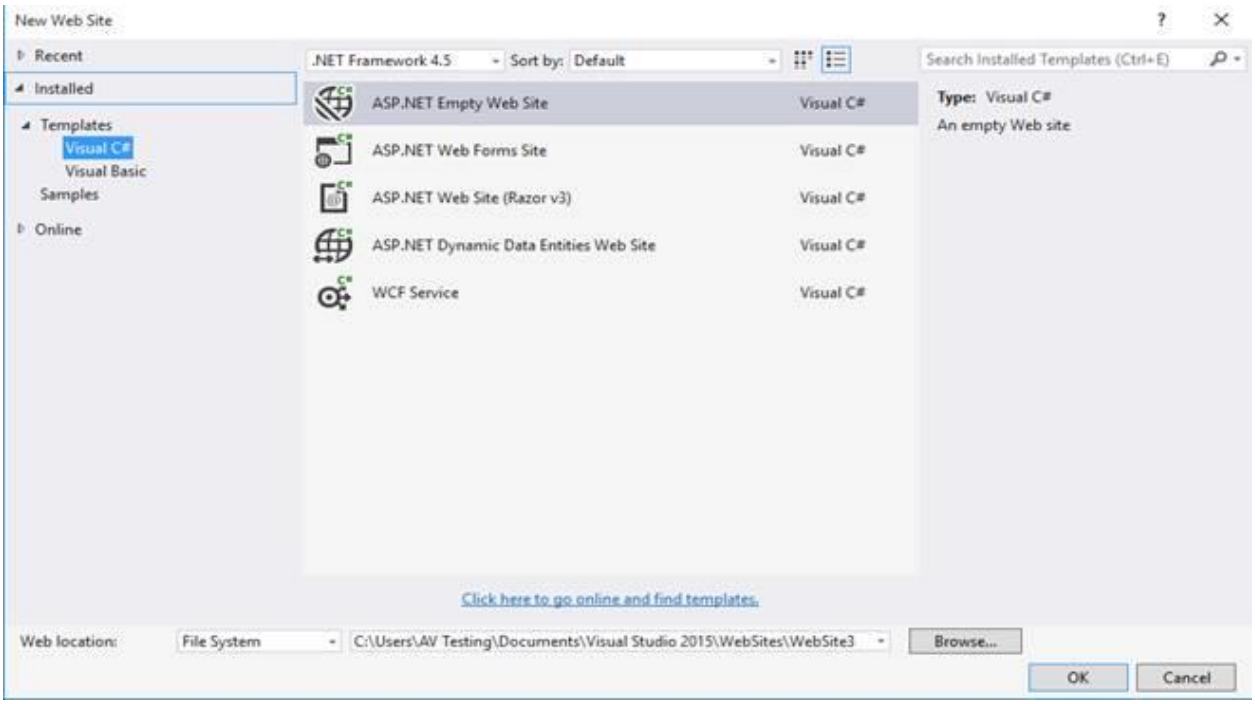
Note - In this example, I set the Id to auto increment, so that the Id will be automatically generated for every new added row. To do this, select the column name Id and in the column properties set the Identity Specification to yes.



Step 2 - Create new project in Visual Studio 2015

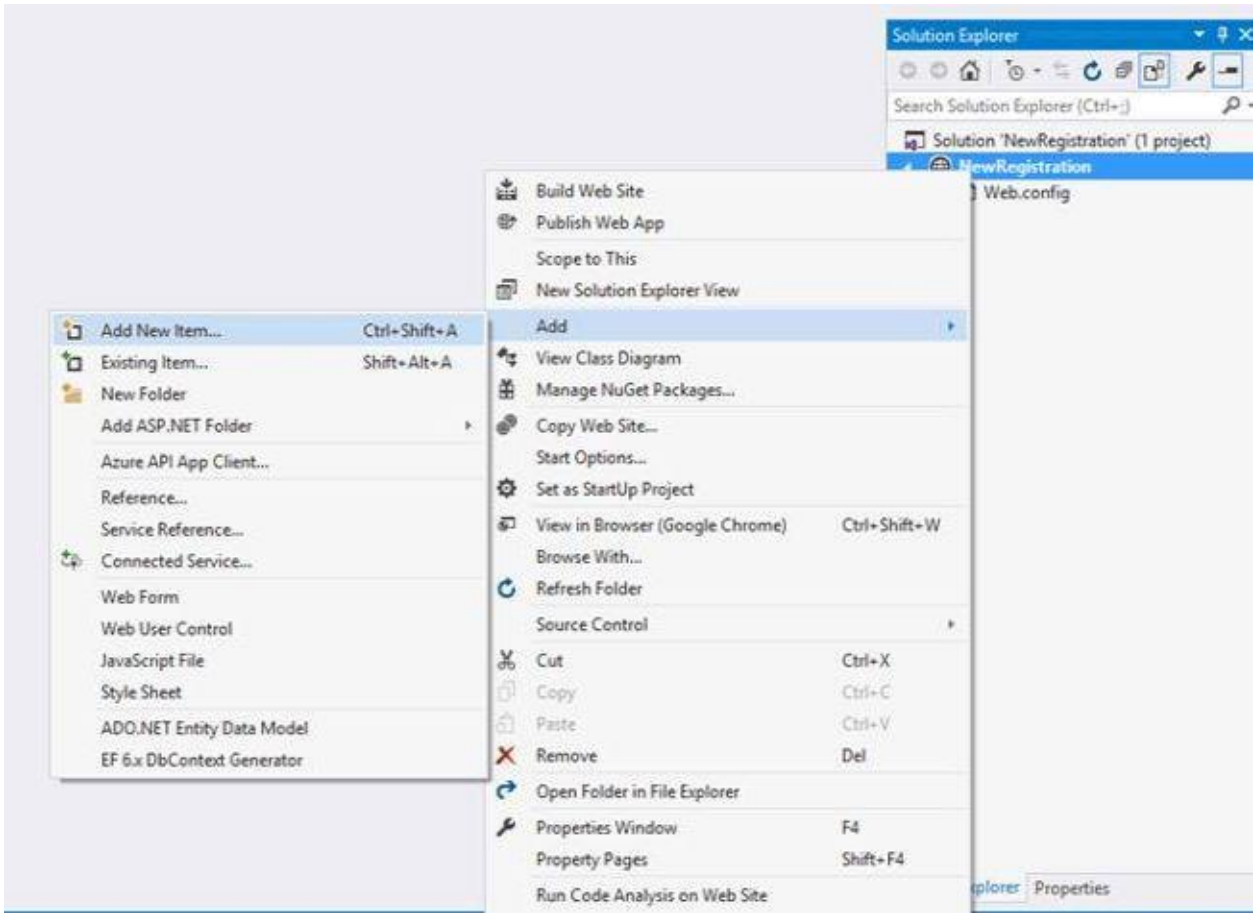
1. **Go to File-> New-> WebSite-> Visual C#->ASP.NET Empty Website-> Entry Application Name-> OK.**

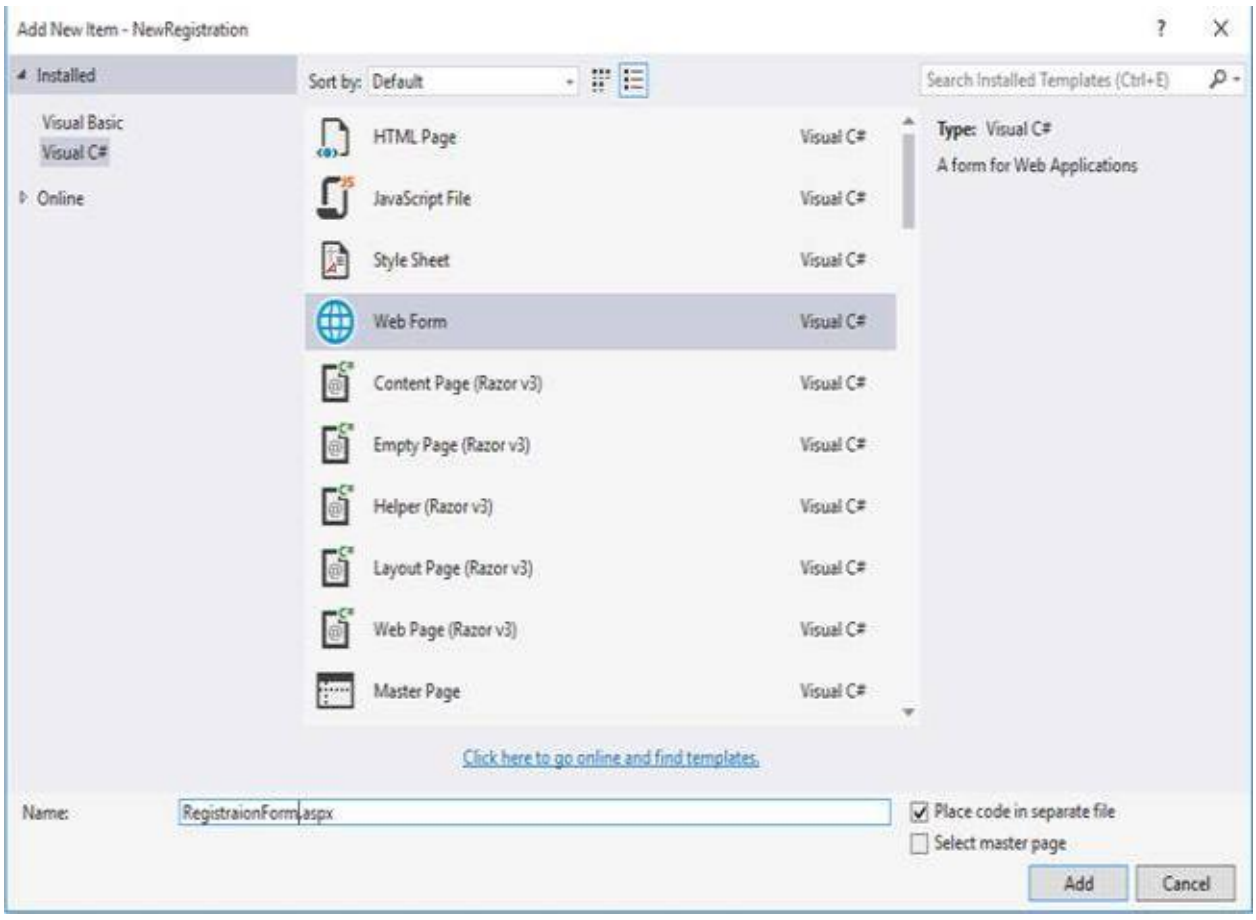




step 3 - Create new web form to web site

1. **Right click on Website-> Add-> Add New Item->Visual C#->Web Form->write Web form name with .aspx extension->Add**


Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'NewRegistration' (1 project)
NewRegistration
Web.config
Build Web Site
Publish Web App
Scope to This
New Solution Explorer View
Add
View Class Diagram
Manage NuGet Packages...
Copy Web Site...
Start Options...
Set as StartUp Project
View in Browser (Google Chrome) Ctrl+Shift+W
Browse With...
Refresh Folder
Source Control
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Remove Del
Open Folder in File Explorer
Properties Window F4
Property Pages Shift+F4
Run Code Analysis on Web Site
Add New Item... Ctrl+Shift+A
Existing Item... Shift+Alt+A
New Folder
Add ASP.NET Folder
Azure API App Client...
Reference...
Service Reference...
Connected Service...
Web Form
Web User Control
JavaScript File
Style Sheet
ADO.NET Entity Data Model
EF 6.x DbContext Generator
Properties


Add New Item - NewRegistration
Installed
Visual Basic
Visual C#
Online
Sort by: Default
Search Installed Templates (Ctrl+E)
HTML Page Visual C#
JavaScript File Visual C#
Style Sheet Visual C#
Web Form Visual C#
Content Page (Razor v3) Visual C#
Empty Page (Razor v3) Visual C#
Helper (Razor v3) Visual C#
Layout Page (Razor v3) Visual C#
Web Page (Razor v3) Visual C#
Master Page Visual C#
Type: Visual C#
A form for Web Applications
Click here to go online and find templates.
Name: RegistraionForm.aspx
Place code in separate file
Select master page
Add
Cancel

RegistrationForm.aspx created (RegistrationForm is a Web form name).

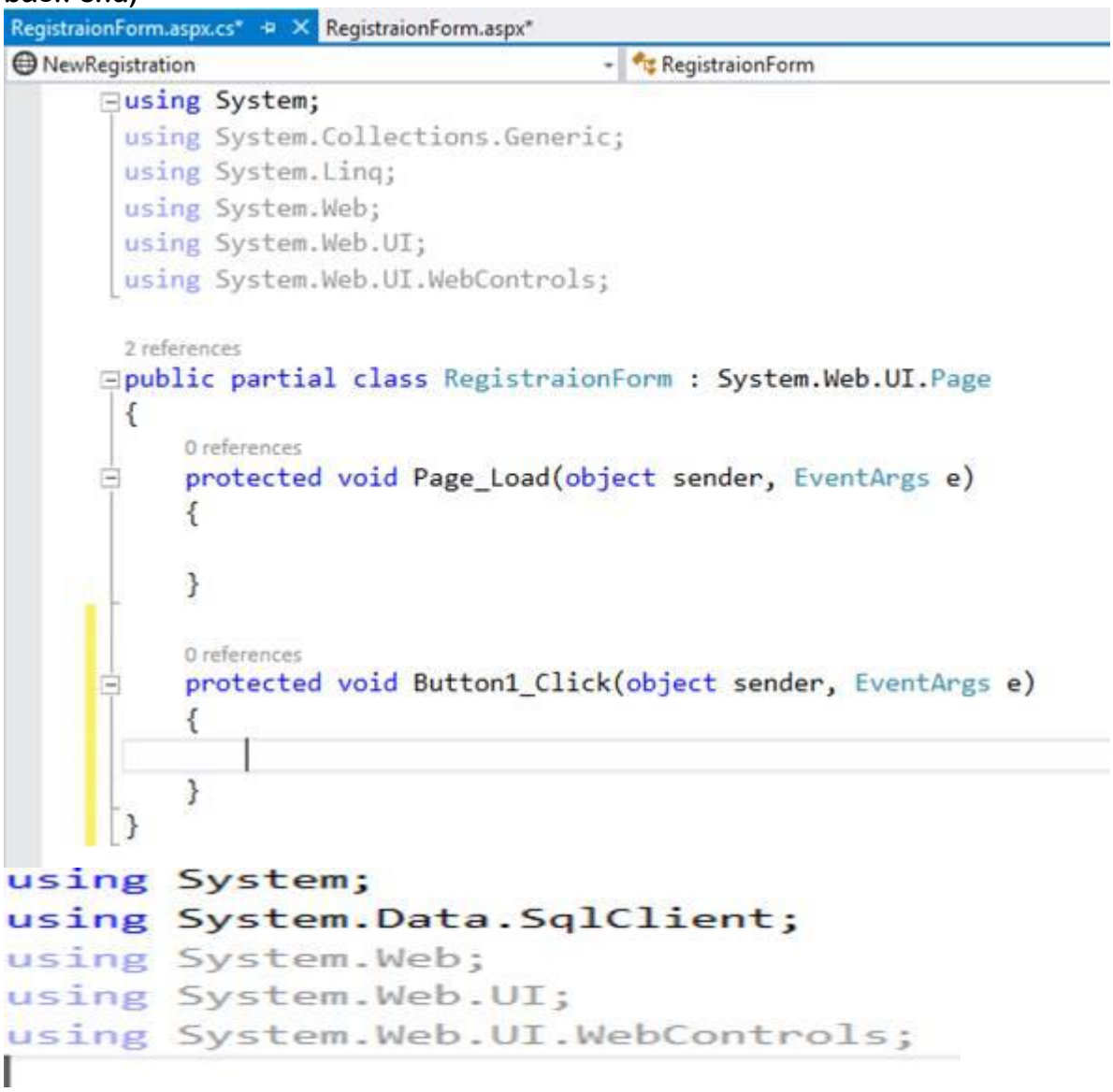
HTML Source code of registration form is mentioned below.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="RegistraionForm.aspx.cs" Inherits="RegistraionForm" %>


<!DOCTYPE html>


<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<table class="auto-style1">
<tr>
<td>Name :</td>
<td>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
</td>

</tr>
<tr>
<td>Password</td>
<td> <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox></td>
</tr>
<tr>
<td>Confirm Password</td>
<td>
<asp:TextBox ID="TextBox3" runat="server" TextMode="Password"></asp:TextBox>
</td>
</tr>
<tr>
```

```
<td>City</td>
<td>
<asp:DropDownList ID="DropDownList1" runat="server">
<asp:ListItem Text="Select City" Value="select" Selected="True"></asp:ListItem>
<asp:ListItem Text="Bangalore" Value="Bangalore"></asp:ListItem>
<asp:ListItem Text="Mysore" Value="Mysore"></asp:ListItem>
<asp:ListItem Text="Hubli" Value="hubli"></asp:ListItem>
</asp:DropDownList>
</td>
</tr>
<tr>
<td>Gender</td>
<td>
<asp:RadioButtonList ID="RadioButtonList1" runat="server">
<asp:ListItem>Male</asp:ListItem>
<asp:ListItem>Female</asp:ListItem>
</asp:RadioButtonList>
</td>
</tr>
<tr>
<td>Gmail</td>
<td>
<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
</td>
</tr>
<tr>
<td>
<asp:Button ID="Button1" runat="server" Text="Button" />
</td>
</tr>
</table>
</div>
</form>
</body>
```

</html>

4.Click Submit button. You will see the code, mentioned below. (code at the back-end)



```
protected void Page_Load(object sender, EventArgs e)
{
}
0 references
protected void Button1_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection(@"Data Source=[redacted];Initial Catalog=AspApplication;User ID =sa;Password=[redacted]");
    {
        con.Open();
        SqlCommand cmd = new SqlCommand("insert into tbllogin values(@name,@Pass,@city,@gender,@mail)", con);
        cmd.Parameters.AddWithValue("name", TextBox1.Text);
        cmd.Parameters.AddWithValue("Pass", TextBox2.Text);
        cmd.Parameters.AddWithValue("city", DropDownList1.SelectedValue);
        cmd.Parameters.AddWithValue("gender", RadioButtonList1.SelectedValue);
        cmd.Parameters.AddWithValue("mail", TextBox4.Text);
        cmd.ExecuteNonQuery();

        TextBox1.Text = "";
        TextBox2.Text = "";
        DropDownList1.SelectedValue = "";
        RadioButtonList1.SelectedValue = "";
        TextBox4.Text = "";
        TextBox1.Focus();
    }
}
}
```

12.Write a web application in asp.net using c# to design a master page with two content pages, one content page will display the Employee's personal information and another will show the employees Department information

---

Student acedmey

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin.Master" AutoEventWireup="true"
CodeBehind="StudentAcademic.aspx.cs" Inherits="MasterPage1.WebForm2" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
<p>
Students Academic Information</p>
<p>
Class:  21</p>
<p>
Marks 1   50</p>
<p>
Marks 2:   60</p>
<p>
Marks 3:   70</p>
<p>
& nbsp;</p>
<p>
& nbsp;</p>
</asp: Content>
```

Student personal

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Admin.Master"
AutoEventWireup="true" CodeBehind="StudentPersonal.aspx.cs"
Inherits="MasterPage1.WebForm1" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
<p>
Student&#39;s Personal Information</p>
<p>
Roll No: 21</p>
<p>
Name: Sunayana</p>
</asp:Content>

Site
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site.master.cs"
Inherits="mapexample.SiteMaster" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head runat="server">
<title></title>
<link href="~/Styles/Site.css" rel="stylesheet" type="text/css" />
<asp:ContentPlaceHolder ID="HeadContent" runat="server">
</asp:ContentPlaceHolder>
</head>
<body>
<form runat="server">
<div class="page">
<div class="header">
<div class="title">
<h1>
My ASP.NET Application
</h1>
</div>
<div class="loginDisplay">
<asp:LoginView ID="HeadLoginView" runat="server" EnableViewState="false">
<AnonymousTemplate>
[ <a href="~/Account/Login.aspx" ID="HeadLoginStatus" runat="server">Log In</a> ]
</AnonymousTemplate>
<LoggedInTemplate>
Welcome <span class="bold"><asp:LoginName ID="HeadLoginName" runat="server"
/></span>!
[ <asp:LoginStatus ID="HeadLoginStatus" runat="server" LogoutAction="Redirect"
LogoutText="Log Out" LogoutPageUrl="~/"/> ]
</LoggedInTemplate>
</asp:LoginView>
</div>
<div class="clear hideSkiplink">
```

```
<asp:Menu ID="NavigationMenu" runat="server" CssClass="menu"
EnableViewState="false" IncludeStyleBlock="false" Orientation="Horizontal">
<Items>
<asp:MenuItem NavigateUrl="~/Default.aspx" Text="Home"/>
<asp:MenuItem NavigateUrl="~/About.aspx" Text="About"/>
</Items>
</asp:Menu>
</div>
</div>
<div class="main">
<asp:ContentPlaceHolder ID="MainContent" runat="server"/>
</div>
<div class="clear">
</div>
</div>
<div class="footer">

</div>
</form>
</body>
</html>
```

Web config

```
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site.master.cs"
Inherits="mapexample.SiteMaster" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head runat="server">
<title></title>
<link href="~/Styles/Site.css" rel="stylesheet" type="text/css" />
<asp:ContentPlaceHolder ID="HeadContent" runat="server">
</asp:ContentPlaceHolder>
</head>
<body>
<form runat="server">
<div class="page">
<div class="header">
<div class="title">
<h1>
My ASP.NET Application
</h1>
</div>
<div class="loginDisplay">
<asp:LoginView ID="HeadLoginView" runat="server" EnableViewState="false">
<AnonymousTemplate>
[ <a href="~/Account/Login.aspx" ID="HeadLoginStatus" runat="server">Log In</a> ]
</AnonymousTemplate>
<LoggedInTemplate>
```

```
Welcome <span class="bold"><asp:LoginName ID="HeadLoginName" runat="server"
/></span>!
[ <asp:LoginStatus ID="HeadLoginStatus" runat="server" LogoutAction="Redirect"
LogoutText="Log Out" LogoutPageUrl="~/"/> ]
</LoggedInTemplate>
</asp:LoginView>
</div>
<div class="clear hideSkiplink">
<asp:Menu ID="NavigationMenu" runat="server" CssClass="menu"
EnableViewState="false" IncludeStyleBlock="false" Orientation="Horizontal">
<Items>
<asp:MenuItem NavigateUrl="~/Default.aspx" Text="Home"/>
<asp:MenuItem NavigateUrl="~/About.aspx" Text="About"/>
</Items>
</asp:Menu>
</div>
</div>
<div class="main">
<asp:ContentPlaceHolder ID="MainContent" runat="server"/>
</div>
<div class="clear">
</div>
</div>
<div class="footer">

</div>
</form>
</body>
</html>
```

13.Write a web application in asp.net using c# to create a table book (bid,title,author_name,publication,edition,price). Insert records into table and display appropriate message using label server control

ABOUT:-

```
<%@ Page Title="About Us" Language="C#" MasterPageFile="~/Site.master"
AutoEventWireup="true"
CodeBehind="About.aspx.cs" Inherits="Book.About" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
<h2>
About
</h2>
<p>
Put content here.
</p>
```

```
</asp:Content>
```

BOOK

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Book_Details.aspx.cs"
Inherits="Book.Book_Details" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div style="height: 358px; width: 361px">
Book ID        
<asp:TextBox ID="TextBox1" runat="server" Width="133px"></asp:TextBox>
<br />
<br />
<asp:Label ID="Label1" runat="server" Text="Title"></asp:Label>
             &nb
sp; 
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
 
<br />
<br />
<asp:Label ID="Label2" runat="server" Text="Author Name"></asp:Label>
 
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
 
<br />
<br />
<asp:Label ID="Label3" runat="server" Text="Publication"></asp:Label>
     
<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
 
<br />
<br />
<asp: Label ID="Label4" runat="server" Text="Edition"></asp: Label>
           
<asp: TextBox ID="TextBox5" runat="server"></asp:TextBox>
 
<br />
<br />
<asp: Label ID="Label5" runat="server" Text="Price"></asp:Label>
             &nb
sp;
<asp: TextBox ID="TextBox6" runat="server"></asp: TextBox>
 
<br />
<br />
             &nb
sp;       
<asp:Button ID="Insert_Button" runat="server" onclick="Insert_Button_Click"
Text="Insert Record" />
<br />
<br />
             &nb
sp;       
<asp:Label ID="Label6" runat="server" Text="Label"></asp:Label>
<br />
```

```
<br />
<br />
<br />
<br />
<br />
<br />
<br />
<br />
<br />
<br />
</div>
</form>
</body>
</html>
```

DEFAULT:-

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.master"
AutoEventWireup="true"
CodeBehind="Default.aspx.cs" Inherits="Book._Default" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
<h2>
Welcome to ASP.NET!
</h2>
<p>
To learn more about ASP.NET visit <a href="http://www.asp.net" title="ASP.NET
Website">www.asp.net</a>.
</p>
<p>
You can also find <a href="http://go.microsoft.com/fwlink/?LinkID=152368&amp;clcid=0x409"
title="MSDN ASP.NET Docs">documentation on ASP.NET at MSDN</a>.
</p>
</asp:Content>
```

14.Write a web application in asp.net using c# to create a student table in database and display that data on page using Grid view control.

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Student.aspx.cs"
Inherits="Database.WebForm1" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div style="height: 311px">
<asp:Label ID="Label1" runat="server" Text="RNo"></asp:Label>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
<br />
<asp:Label ID="Label2" runat="server" Text="Sname"></asp:Label>
```

```
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
<br />
<br />
<asp:Button ID="Button1" runat="server" Text="Insert "
onclick="Button1_Click" />

  
<asp:Button ID="Button2" runat="server" Text="Update" onclick="Button2_Click" />

  
<asp:Button ID="Button3" runat="server" Text="Delete" onclick="Button3_Click" />

 
<asp:Button ID="Button4" runat="server" Text="View" onclick="Button4_Click" />

<br />
<asp:GridView ID="GridView1" runat="server">
</asp:GridView>

</div>
</form>
</body>
</html>
```

15.Write a web application in asp.net using c# to search the number of player plays in “Cricket” and display result in GridView. Game (gid,gname,no_of_players,duration)

ABOUT :-

```
<%@ Page Title="About Us" Language="C#" MasterPageFile="~/Site.master"
AutoEventWireup="true"
CodeBehind="About.aspx.cs" Inherits="Game.About" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
<h2>
About
</h2>
<p>
Put content here.
</p>
</asp:Content>
```

DEFAULT :-

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.master"
AutoEventWireup="true"
CodeBehind="Default.aspx.cs" Inherits="Game._Default" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
```

```
<h2>
Welcome to ASP.NET!
</h2>
<p>
To learn more about ASP.NET visit <a href="http://www.asp.net" title="ASP.NET
Website">www.asp.net</a>.
</p>
<p>
You can also find <a href="http://go.microsoft.com/fwlink/?LinkID=152368&amp;clcid=0x409"
title="MSDN ASP.NET Docs">documentation on ASP.NET at MSDN</a>.
</p>
</asp:Content>
```

GAME :-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Game.aspx.cs"
Inherits="Game.Game" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<asp:Label ID="Label1" runat="server" Text="Game
id"></asp:Label>          &
nbsp;  <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
<br />
<br />
<asp:Label ID="Label2" runat="server" Text="Game
Name"></asp:Label>      
<asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox>
<br />
<br />
<asp:Label ID="Label3" runat="server" Text="No of
Players"></asp:Label>    
<asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox>
<br />
<br />
<asp:Label ID="Label4" runat="server" Text="Duration
"></asp:Label>           
<asp:TextBox ID="TextBox4"
runat="server"></asp:TextBox>
<br />
<br />
             &nb
sp;          
<asp:Button ID="Button1" runat="server" onclick="Button1_Click" Text="Insert" />
    
<asp:Button ID="Button2" runat="server" onclick="Button2_Click"
Text="Cricket Players" />
        
<br />
    
<asp:Label ID="Label5" runat="server"></asp:Label>
<br />
```

```
     
<asp:GridView ID="GridView1" runat="server">
</asp:GridView>
<br />
<br />
<br />
<br />
<br />
<br />
</div>
</form>
</body>
</html>
```

16.Create a login from using asp.Net with c# with database connectivity.


```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;

namespace Login
{
public partial class Login : System.Web.UI.Page
{
SqlConnection con = new SqlConnection(@"Data
Source=.\SQLEXPRESS;AttachDbFilename=c:\users\admin\documents\visual studio
2010\Projects\Login\Login\App_Data\Login_Data.mdf;Integrated Security=True;User
Instance=True");

protected void Page_Load(object sender, EventArgs e)
{
if(con.State==ConnectionState.Open)
{
con.Close();
}
```

```
else
con.Open();

}

protected void Button1_Click(object sender, EventArgs e)
{
try
{
SqlCommand cmd = con.CreateCommand();
cmd.CommandType = CommandType.Text;
//      cmd.CommandText = "Select * from Login_Details where Username='" + TextBox1.Text + "'
and Password='" + TextBox2.Text + "'";
cmd.CommandText = "Select * from Login_Details";
cmd.ExecuteNonQuery();

DataTable dt = new DataTable();
SqlDataAdapter da = new SqlDataAdapter(cmd);
da.Fill(dt);

bool flag = false;
int i = 0;
while (i<dt.Rows.Count)
{
string uname = dt.Rows[i][1].ToString();
string password = dt.Rows[i][2].ToString();
if (TextBox1.Text == uname.Trim() && TextBox2.Text == password.Trim())
{
flag = true;
break;
}
else
flag = false;
i++;
}

if (flag== true)
Response.Write("Login Successfully");
else
Response.Write("Login Failed");
}



catch (Exception ee)
{
Response.Write(ee.Message);
}
}
}
}
```

---

17. Create a web application using asp.net with c# that will use file upload control and save the browsed file

Solution:- WebForm1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="file_upload.WebForm1" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<p>Browse to Upload File</p>
<asp:FileUpload ID="FileUpload1" runat="server" />
</div>
<p>
<asp:Button ID="Button1" runat="server" Text="Upload File" OnClick="Button1_Click" />
</p>

</form>

<p>
<asp:Label runat="server" ID="FileUploadStatus"></asp:Label>
</p>
</body>
</html>
```

WebForm1.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace file_upload
{
public partial class WebForm1 : System.Web.UI.Page
{
protected System.Web.UI.HtmlControls.HtmlInputFile File1;
protected System.Web.UI.HtmlControls.HtmlInputButton Submit1;
protected void Page_Load(object sender, EventArgs e)
{

}

protected void Button1_Click(object sender, EventArgs e)
{
if ((FileUpload1.PostedFile != null) && (FileUpload1.PostedFile.ContentLength > 0))
{
string fn = System.IO.Path.GetFileName(FileUpload1.PostedFile.FileName);
string SaveLocation = Server.MapPath("upload") + "\\" + fn;
try
{
FileUpload1.PostedFile.SaveAs(SaveLocation);
FileUploadStatus.Text = "The file has been uploaded.";
}
catch (Exception ex)
{
FileUploadStatus.Text = "Error: " + ex.Message;
}
}
else
{
```

```
FileUploadStatus.Text = "Please select a file to upload.";
}
}

}
}
}
```

18.Create a web application using asp.net with c# that will display the wizard control on web page.

```
<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site.master.cs"
Inherits="wizardcontrol.SiteMaster" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head runat="server">
<title></title>
<link href="~/Styles/Site.css" rel="stylesheet" type="text/css" />
<asp:ContentPlaceHolder ID="HeadContent" runat="server">
</asp:ContentPlaceHolder>
</head>
<body>
<form runat="server">
<div class="page">
<div class="header">
<div class="title">
<h1>
My ASP.NET Application
</h1>
</div>
<div class="loginDisplay">
<asp:LoginView ID="HeadLoginView" runat="server" EnableViewState="false">
<AnonymousTemplate>
[ <a href="~/Account/Login.aspx" ID="HeadLoginStatus" runat="server">Log In</a> ]
</AnonymousTemplate>
<LoggedInTemplate>
Welcome <span class="bold"><asp:LoginName ID="HeadLoginName" runat="server" /></span>!
[ <asp:LoginStatus ID="HeadLoginStatus" runat="server" LogoutAction="Redirect"
LogoutText="Log Out" LogoutPageUrl="~/"/> ]
</LoggedInTemplate>
</asp:LoginView>
</div>
<div class="clear hideSkiplink">
<asp:Menu ID="NavigationMenu" runat="server" CssClass="menu" EnableViewState="false"
IncludeStyleBlock="false" Orientation="Horizontal">
<Items>
<asp:MenuItem NavigateUrl="~/Default.aspx" Text="Home"/>
<asp:MenuItem NavigateUrl="~/About.aspx" Text="About"/>
</Items>
</asp:Menu>
</div>
</div>
<div class="main">
<asp:ContentPlaceHolder ID="MainContent" runat="server"/>
</div>
<div class="clear">
</div>
</div>
<div class="footer">

</div>
```

```
</form>
</body>
</html>
```

==========

19.Write a web application in asp.net using c# to insert records into table hospital (hno,hname,no_of_dept,doctor_name,date_of_registration). Display hospital details Grid View

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Security;
using System.Web.SessionState;

namespace Hospital
{
public class Global : System.Web.HttpApplication
{

void Application_Start(object sender, EventArgs e)
{
// Code that runs on application startup

}

void Application_End(object sender, EventArgs e)
{
//  Code that runs on application shutdown

}

void Application_Error(object sender, EventArgs e)
{
// Code that runs when an unhandled error occurs

}

void Session_Start(object sender, EventArgs e)
{
// Code that runs when a new session is started

}

void Session_End(object sender, EventArgs e)
{
// Code that runs when a session ends.
// Note: The Session_End event is raised only when the sessionstate mode
// is set to InProc in the Web.config file. If session mode is set to StateServer
// or SQLServer, the event is not raised.

}

}
}
```

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Hospital_Details.aspx.cs"
Inherits="Hospital.Hospital_Details" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body style="height: 442px">
<form id="form1" runat="server">
<div>
<asp:Label ID="Label1" runat="server" Text="Hospital No"></asp:Label>
             &nb
sp;    
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>




<br />
<br />
<asp:Label ID="Label2" runat="server" Text="Hospital Name"></asp:Label>
             &nb
sp;
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>




<br />
<br />
<asp:Label ID="Label3" runat="server" Text="Number of Department"></asp:Label>
  
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>




<br />
<br />
<asp:Label ID="Label4" runat="server" Text="Doctor Name"></asp:Label>
             &nb
sp;  
<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>




<br />
<br />
<asp:Label ID="Label5" runat="server" Text="Registration Date"></asp:Label>
           
```

```
<asp:Calendar ID="Calendar1" runat="server"></asp:Calendar>
<br />
             &nb
sp;             &
nbsp;          
<asp:Button ID="Button1" runat="server" onclick="Button1_Click" Text="Insert"
Width="108px" />
<br />
<asp:GridView ID="GridView1" runat="server">
</asp:GridView>
```

```
</div>
</form>
</body>
</html>
```

Login

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;

namespace Login
{
public partial class Login : System.Web.UI.Page
{
SqlConnection con = new SqlConnection(@"Data
Source=.\SQLEXPRESS;AttachDbFilename=c:\users\admin\documents\visual studio
2010\Projects\Login\Login\App_Data\Login_Data.mdf;Integrated Security=True;User
Instance=True");

protected void Page_Load(object sender, EventArgs e)
{
if(con.State==ConnectionState.Open)
{
con.Close();
}
else
con.Open();

}

protected void Button1_Click(object sender, EventArgs e)
{
try
{
SqlCommand cmd = con.CreateCommand();
cmd.CommandType = CommandType.Text;
//       cmd.CommandText = "Select * from Login_Details where Username='" +
TextBox1.Text + "' and Password='" + TextBox2.Text + "'";
cmd.CommandText = "Select * from Login_Details";
cmd.ExecuteNonQuery();
```

```
DataTable dt = new DataTable();
SqlDataAdapter da = new SqlDataAdapter(cmd);
da.Fill(dt);

bool flag = false;
int i = 0;
while (i<dt.Rows.Count)
{
string uname = dt.Rows[i][1].ToString();
string password = dt.Rows[i][2].ToString();
if (TextBox1.Text == uname.Trim() && TextBox2.Text == password.Trim())
{
flag = true;
break;
}
else
flag = false;
i++;
}

if (flag== true)
Response.Write("Login Successfully");
else
Response.Write("Login Failed");
}



catch (Exception ee)
{
Response.Write(ee.Message);
}
}
}
}
```
