**AIM** : To create an interactive Form using a form widget.

**CODE** :

```dart
import 'package:flutter/material.dart';


void main() {
 runApp(MyApp());
}


class MyApp extends StatelessWidget {
 @override
 Widget build(BuildContext context) {
  return MaterialApp(
   home: Scaffold(
    appBar: AppBar(
     title: Text('Experiment - 4 Forms'),
    ),
    body: MyForm(),
   ),
  );
 }
}


class MyForm extends StatefulWidget {
 @override
 _MyFormState createState() =>
_MyFormState();
}


class _MyFormState extends State<MyForm> {
 final _formKey = GlobalKey<FormState>();
 String _name = '';
 String _email = '';
 String _selectedGender = 'Male';
 bool _subscribeToNewsletter = false;


 @override
 Widget build(BuildContext context) {
  return Padding(
   padding: const EdgeInsets.all(16.0),
    child: Form(
     key: _formKey,
     child: Column(
      crossAxisAlignment:
CrossAxisAlignment.start,
      children: [
       TextFormField(
        decoration: InputDecoration(labelText:
'Username'),
        validator: (value) {
         if (value == null || value.isEmpty) {
          return 'Please enter your name';
         }
         return null;
        },
        onSaved: (value) {
         _name = value!;
        },
       ),
       SizedBox(height: 16),
       TextFormField(
        decoration: InputDecoration(labelText:
'Email'),
        validator: (value) {
         if (value == null || value.isEmpty ||
!value.contains('@')) {
          return 'Please enter a valid email
address';
         }
         return null;
        },
        onSaved: (value) {
         _email = value!;
        },
       ),
       SizedBox(height: 16),
       DropdownButtonFormField<String>(
        value: _selectedGender,
        items: ['Male', 'Female', 'Prefer Not to
say']
          .map((gender) =>
DropdownMenuItem(
```

```
        value: gender,                                    ],
        child: Text(gender),                            ),
      ))                                              SizedBox(height: 26),
        .toList(),                                    ElevatedButton(
      onChanged: (value) {                              onPressed: () {
        setState(() {                                     if (_formKey.currentState!.validate()) {
          _selectedGender = value!;                         _formKey.currentState!.save();
        });                                               // Process the form data, e.g., send it
      },                                              to a server
      decoration: InputDecoration(labelText:              print('Name: $_name');
'Gender'),                                               print('Email: $_email');
    ),                                                    print('Gender: $_selectedGender');
    SizedBox(height: 16),                                 print('Agree to terms and Conditions:
    Row(                                              $_subscribeToNewsletter');
      children: [                                          print('');
        Checkbox(                                         }
          value: _subscribeToNewsletter,                },
          onChanged: (value) {                          child: Text('Submit'),
            setState(() {                             ),
              _subscribeToNewsletter = value ??      ],
false;                                              ),
            });                                    ),
          },                                     );
        ),                                     }
        Text('I agree to terms and Conditions'),  }
```

**OUTPUT** :

```
Console   ⚡ ⟳ | ◐

    Performing hot restart...
    Waiting for connection from debug service on Chrome...
    Restarted application in 231ms.
    Name: gomati
    Email: gomati@gmail.com
    Gender: Female
    Agree to terms and Conditions: true
```