

## Example 11:

### Develop a mobile application send an Email.

**Email** is messages distributed by electronic means from one system user to one or more recipients via a network.

Before starting Email Activity, You must know Email functionality with intent, Intent is carrying data from one component to another component with-in the application or outside the application.

To send an email from your application, you don't have to implement an email client from the beginning, but you can use an existing one like the default Email app provided from Android, Gmail, Outlook, K-9 Mail etc. For this purpose, we need to write an Activity that launches an email client, using an implicit Intent with the right action and data. In this example, we are going to send an email from our app by using an Intent object that launches existing email clients.

Following section explains different parts of our Intent object required to send an email.

#### Intent Object - Action to send Email:

You will use **ACTION\_SEND** action to launch an email client installed on your Android device. Following is simple syntax to create an intent with ACTION\_SEND action.

```
Intent emailIntent = new Intent(Intent.ACTION_SEND);
```

#### Intent Object - Data/Type to send Email:

To send an email you need to specify **mailto:** as URI using setData() method and data type will be to **text/plain** using setType() method as follows –

```
emailIntent.setData(Uri.parse("mailto:"));  
emailIntent.setType("text/plain");
```

#### Intent Object - Extra to send Email:

Android has built-in support to add TO, SUBJECT, CC, TEXT etc. fields which can be attached to the intent before sending the intent to a target email client.

You can use following extra fields in your email –

- **EXTRA\_BCC**  
A String[] holding e-mail addresses that should be blind carbon copied.
- **EXTRA\_CC**  
A String[] holding e-mail addresses that should be carbon copied.

- **EXTRA\_EMAIL**

A String[] holding e-mail addresses that should be delivered to.

- **EXTRA\_HTML\_TEXT**

A constant String that is associated with the Intent, used with ACTION\_SEND to supply an alternative to EXTRA\_TEXT as HTML formatted text.

- **EXTRA\_SUBJECT**

A constant string holding the desired subject line of a message.

- **EXTRA\_TEXT**

A constant CharSequence that is associated with the Intent, used with ACTION\_SEND to supply the literal data to be sent.

- **EXTRA\_TITLE**

A CharSequence dialog title to provide to the user when used with a ACTION\_CHOOSER.