**Code for passing data between activities in Android :**

**ActivityOne.java**

|  |  |
| --- | --- |
| 1  2  3  4 | String value = "Hello!";  Intent in = new Intent(this,ActivityTwo.class);  in.putExtra("Key", value);  startActivity(in); |

**ActivityTwo.java**

|  |  |
| --- | --- |
| 1  2 | Bundle bundle = getIntent().getExtras();  String valueReceived = bundle .getString("Key"); |

**Code for passing multiple data or values between activities in Android :**

**Method 1 : Using Intent to pass data and Bundle to extract data between activities in Android**

**ActivityOne.java**

|  |  |
| --- | --- |
| 1  2  3  4  5  6 | String value1 = "Hello!";  String value2 = "Hi!";  Intent in = new Intent(this,ActivityTwo.class);  in.putExtra("Key1", value1);  in.putExtra("Key2", value2);  startActivity(in); |

**ActivityTwo.java**

|  |  |
| --- | --- |
| 1  2  3 | Bundle bundle = getIntent().getExtras();  String valueReceived1 = bundle .getString("Key1");  String valueReceived2 = bundle .getString("Key2"); |

**Method 2 : Using Bundle to pass and to extract data between activities in Android**

**ActivityOne.java**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8 | String value1 = "Hello!";  String value2 = "Hi!";  Intent in = new Intent(this,ActivityTwo.class);  Bundle bundle = new Bundle();  bundle.putString("Key1", value1);  bundle.putString("Key2", value2);  in.putExtras(bundle);  startActivity(in); |

**ActivityTwo.java**

|  |  |
| --- | --- |
| 1  2  3 | Bundle bundle = getIntent().getExtras();  String valueReceived1 = bundle .getString("Key1");  String valueReceived2 = bundle .getString("Key2"); |

**Code for passing array between activities in Android :**

**ActivityOne.java**

|  |  |
| --- | --- |
| 1  2  3  4  5  6 | String[] array = new String[]{"Item1", "Item2", "item3", "Item4", "item5"};  Intent in = new Intent(this,ActivityTwo.class);  Bundle bundle = new Bundle();  bundle.putStringArray("MyArray", array);  in.putExtras(bundle);  startActivity(in); |

**ActivityTwo.java**

|  |  |
| --- | --- |
| 1  2 | Bundle bundle = getIntent().getExtras();  String arrayReceived[] = bundle.getStringArray("MyArray"); |

**Code for passing ArrayList between activities in Android :**

**ActivityOne.java**

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7 | ArrayList<String> array = new ArrayList<String>();  array.add("Hello");  array.add("Hi");  array.add("Bye");  Intent intent = new Intent(this, ActivityTwo.class);  intent.putExtra("array\_list", array);  startActivity(intent); |

**ActivityTwo.java**

|  |  |
| --- | --- |
| 1  2 | Bundle bundle = getIntent().getExtras();  ArrayList<String> array = (ArrayList<String>) bundle.getStringArrayList("array\_list"); |