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App	Date:
12 1 salah	Assignment No 3-02. Low borbed.
loan	had a water to less allowed made at soil
_ Qi7	Explain difference type of Layout in Android.
$\longrightarrow$	· Android linear layout: - Linear layout is a View Group
· blash	Subclais, used to provide Child View element one by
)	one either in a particular direction either horizontally
1000 3	Or Vertically based on the Orientation property.
70 0 %	· Android Relative layout :- Relative layout is a & Vicention
	Subclass, used to specify the position of child View element
	relative to each other like or relative to the present.
20 24	· Android Constraint layout & Constraint layout is a
	Viewgrap Bubclas, used to Opecify the position of a
	layout Constraint for every Child View resultive to
Pro/2	Other views present.
	· Android frame layout & frame layout is a ViewGoup
	bubclass used to breeify the position of View element.
	et Contain on the top of each other to display only
Dist of	Bingle View inside the frame layout.
6200	· Android Pable layout & Puble Layout is a View Croup
	in row and columns.
ton'x or or	A 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
120143 20	is used to display the child View element in now and
	Column.
	Colorac

- · Android List View is List View is a View Group.
  Used to display the Wab Genoriable list of item
  in Bingle Column.
- · Andread God view & God View is a View Group ewhich is Used to display benoliable. Its Lot atem in God view of row and columns.
- (12) Explain different attributes of layout used in Android.
- => 1> Android: id 5 Used to Specify the id of the view.
  - android: layout width 3- Used to declare the width of view and View Croup.
  - 3) android: layout height & Used to declare the height of View and view Group.
- 4) android: layout-marginleft & Used to declare the extra
  Space used in the left Side of View and
  View Group element.
- 5) andrord: layout\_Margin Right s- Used to declared the extraOpace used in the right bide of View and
  View Group element.
  - 6) android: layout-Margin Pop :- Used to declara the extra

    Space used in the Top Side of Niew and

    Niew Group element.



-teman	Date:
	extra Space used in the Isottom Grae of View
	and View Group element.  8) android: layout - Gravity & Used to define how Child  View erres positioned in the layout.
03>	Explain Android lifecycle with neat diagram.  Activity  Launched
box	User navigates  On Start() ( On Restart())  On Resume())
	App gracess Activity  Kitted Senter activity  Another activity Comes.
Ar	memory The activity is an langer visible.
The state of the s	The activity is finishing or being destroyed by the

· The Android Activity is the Juncious of Context Themelabrupper class.

- · An activity is the Single Screen in android. It is like window or frame of Java.
- Indicate terrinal frontes · Android Activity lifecycle: method.
  - 1) On Create: In this Blake, the activity is (reated.
  - of on Start 3— This callback method is called when the activity become visible to the User.
- 3) On Resume! The activity in the foreground and the User (an interact with it.
  - 4) On Pause: Activity is particully obscured by another activity. Another activity thatis in the foreground is Semi-transparent.
  - ond not visible to the User.
  - B) On Restart; from the Otopped State, the activity either Comes back to interact with the user or the activity to Hinished running and goesaway IT the activity comes back, the System invokes on Restart ()
    - 7) UnDestruy :- Activity is destroyed and removed from the memory.



	Date:
(14)	
	l'alhat 13 intent ? Explain sts two type with an
	example.
=>,	The second states are a second to the second
	- An Intent is a Simple masage object that is
71.0	committate between android commoment
	Journ as activities, content mendiden brounders
- 1	tocciner and Gensiel. Intent are also used to
100	ranster datel between activites.
1200	Intents. Use used Generally for Starting a new
14 Hotel	activity Using Whart Activity ().
	Intent às of Low Hypers
	1. Implicit Intent
	2. Explicit Intent.
1	1. Implicit Takat : A. P. 12.
	1. Implicit Intent : An Implicit intent specifics
	to be able to perform an action. Using an Impliat
	Intent is useful when you app Cannot perform
	the action but other apps probably can and
	You'd like the user to pick which app to use.
	Byntax:
	Intent 1= new Intent ();
	1. Bet Action (Intent. ACTION_SEND);
	Ex = intent intent = new Intent (Intent. ACTION-VIEW);
	intent. sed Data ( Ori-parse ("http://www.abc.com")):
	Start Arctivity (intent)

Explicit Intents: - Explicit Android Intent is the Intent in which one can explicitly cretine the Component that need to be cased by an Android System.

Intent Dend: new Intent (Main Activity Aris,
Decord Activity (loss)

Otart Activity (send);

An we Should delark about Berond activity in Manifest. xml file on else it going to Show run time reception. Sample declaration is at Shown below.

to be seen the righter of the seen of all

the dec ten do tick which op and sale arti

Yactivity and rold : name =", Second Activity"> x/activity"> x/activity.



T. Sigit	Man older are took thought of the Date:
	aboltono ell'hand a traine pointen apartir
(25)	Explain building block of Andond
1200	The state of the s
	There are Dome necessary building block that an
	Android application Consist of There loosely Coupled
	Component are bound by the application manifest
	file which Contains description of each Component
	and how they interact. The Manifest tile also
Almean	Contains the apps metablata, Its hardware
	Configuration and platform requirement extend
, wind,	librories and required permission.
04	The allower of the second of t
	There are following moin Component of an Androidapp.
taverte	1 Activities: - Activities are Baid to be presentation
<u> </u>	layer of Our application. The UI of Our
-	application is build around one or more extension
	of the Activity Class. By using fragment of the Activity Class public class Maintedarity extend Activity
	The shall be and the state of t
الملك	2. Denvices : There are like invisible workers of
- tolket	Our app. These Component run at backend,
	and office your data source and Admin
	Intent. A Denvice Com be used as a Subclass
1	Intent. A dervice con be used at a Subclass
	of Class Dervice: public Class Dervice Nome
	extend Benvice ? }.

3. Content Providens :- It is used to manage of persize the application data also typically interact with SQL database. They are also responsible for Shaning alata beyond the application boundaries.

public Clars Content Provider Name extend Content-Provider ? Public Void on Create () {}

- 4. Intents: It is a powerful inter-application

  Message Praising Franciscon They are extensively

  used Amougout Android. Intent can be used

  to Ostart and Ostap Activities and Demices,

  to broadcoast message System wide or to

  an explicit Activity, Demice or Broadcoast

  Receiver or to request an action be performed

  on a particular piece of data.
  - 5. Broad cast Reviewer :- They are known to be intent listens as they enable your application to listen the Intent that Batisfy the Matching Criteria Specified by us. Broad cast Received Intent thereby making them perfect for creating event chircn application.



Date :
6) Hidget 5- There are the Small reisval application
Component that you can find on the
home Screen of the derices - They are
Openial Nariation of Broad Cast Receivers
that allow us to Create dynamic
interactive application Component for user
to embed on their Home Doreen.
7) Notification of Notification are the application
cilents that one used to draw user
affection to Some particular app event
without Objecting focus a interrupting the
Correct Activity of the Users. They are
Generally used to Grab user's extention
when the explication is not visible or
active , nanticularly from within a Senice
or Broadcast Receiver.
Example: Email popups, etc.