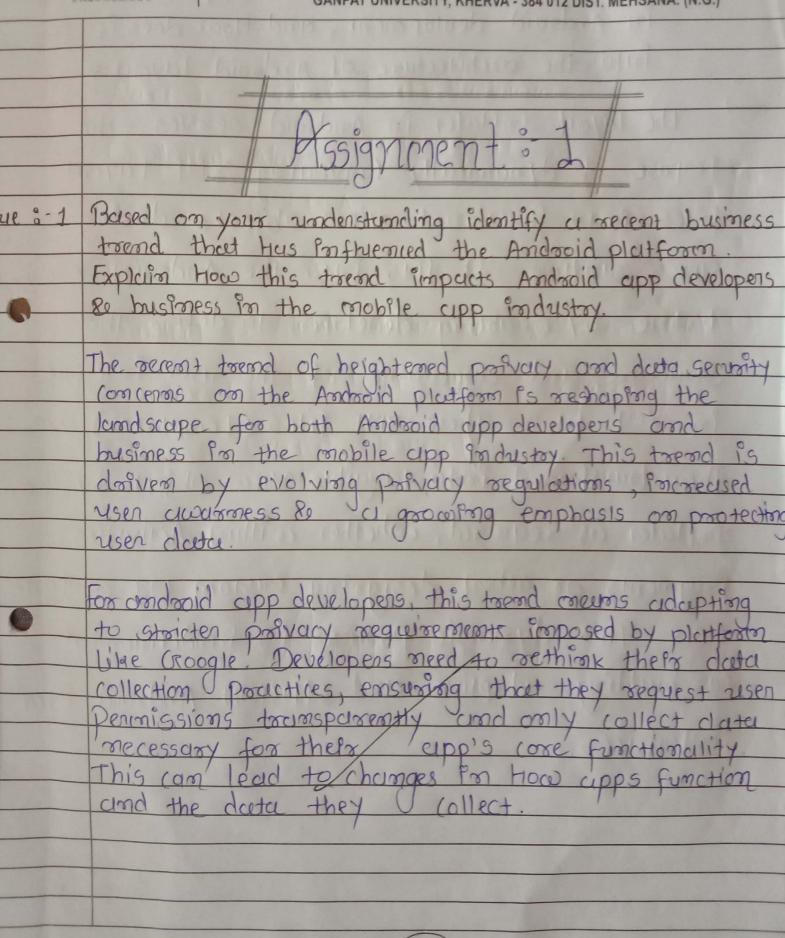




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- Que :- 2. What is the purpose of am Inflator of Layout in Android devlopment, and How does it fit into the architecture of Android layout?
 - The layout Inflater in Anchooid Serves the Perpose of dynamically conventing XM2 Layout files into functional view objects during the app's suntime. It fits into the Android Architechne by enubling developers to define the Structure and appearance of the user interfere in XMI files. These XMI files (templates) are then toursformed into tempible view objects by the Inflater as required, whether within Activities, Fougments or when designing custom UI components. This dynamic process is fundamented for building adoptive and efficient Android user Intenferces. of the state of th



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Que: 8 Explain the Concept of a Custom Dialog Box in Android applications. Provide Examples to illustrate its use A custome Dialog Box in Android applications allows developers to correcte unique pop-up windows with rustome layouts and functionality unide stemdard dialog, rustom dialogs are feciloged to the upp's sperific design and mppeds. For Instence, Imagine developing to-du list upp you can create dialog to let users select due dutes for their teisks. This rustom diwlog world Hove a personalized layout with a date prehen and huttons for confirming on canceling the selection. The code would Pniticuize this dealog set its content view to the custom leyout and define the button alick actions for confirmation and cancellation, when needed, you would display this custom dialog to entrace the user Experience and ensure of cellans with you cupp's design. 40 8- 41 How do cictivities, services & the android Manifest file work together to make an Android app? Cum you describe their main soles and provide basic Example of How they cooperate to design a mobile app 9

- -> Activities, Services to the Android Manifest file work together to create the core structure and functionality of Android upp. Each plays a distinct role in the capp's dochitecture: 1 Activities :

Main vole : Activities represent the user intentere and Provide screens or windows where wers can Intrect with the app's content. to the trade the point to the services

2. Services :

main role: Services run in the buckground and Penform teisks that don't require a user interfere. They are used for long - summing operations such as docomloading files, playing music or processing

3. Android Munifest file:

Moder role: The Android Manifest file is couciel configration file that defines essential information about the app. It specifies the app's components Peninissions & other important Settings.



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A STATE OF THE STA	
=	coopenation Example:
	4! Ambroid Manifest. XML>
	< manifest>
	dapplication 8
	dactivity android! name = " . Man'Activity" >
	dintent - filten 9
	d'altion android! name = android intent.
	action MAIN' 17
0	dlintent-fitens
	2) activity 4
	a activity and roid! name = " . settings Activity "/
	d Service and soid! ordine = ". Interather bodate service"
	d! Penmissions and other cipp settings 14
TELEVISION OF	a lapplication &
	April A House the last the second of the sec
0	siens manualination : 22 and 19 / 22
aue :-5	How does the Android manifest file impact the
	development of an Androld application & Provide
	con excample to demonstrate îts significance.
	The Android Manifest file (Android Manifest XMI) has
	a significant impact on the development of an
	Android application. It defines the entire structure
	penmissions, intent filters, configurations and more
	performssions, intent filters, configurations and more
	Page No. (3.)

without a properly configured Manifest file, the Android System would not know how to Postruct with Your capp, and the app's functionality and user experience would be compromised. It is a central and essentice Part of Android app development.

=> Example of Significance;

d!-- Android Mamifest. xml--!>

d'intent-filters

date android: name = " amdroid, intent. action. View dintent-filter y

diactivity?

descrivity and ord ! mame = 1. Oploud Activity 11/4

descrive and roid! mame = 1. Photosymcservice 1/4

description and 11

d'uses- Permission androld mame 'amdroid Penmission (AM)

dimonifest 4



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1	What is the role of resources in Android developments. Discuss the various type of resources and their significance in creating coul-structured applications. Provide examples to clarify your points.
	Resources in Android development are essential assets that provide various types of content used in Android applications. They play a couriel role in separating content from code
9	fercilitetting localization & emsusing a Consistent user experience across different devices and configurations.
	Role of Resources: Separation of Content and code Device Configuration Handling.
	Type of Resources and Significance:
(4)	Layouts & Define the Structure and appearence of UT components in XML files. These layouts are couried for creeting app screens.
FOL.	d Linear layout 9 d Edit Text 19 d Button 19 d I Linear layout >

(b) Strings: Store text and string literals Pro separate resource files. This simplifies localization & make it easier to update app text.

Ex

« resources & more languages of the second o

L'string name = "cipp-title" & My APP LIStrings
d'resources q

(() Images & Irons! Drowable :- Store image, i cons & other graphics in drowable resurre folder. Diffrent folder (aten to different screen densities

Est.

doucouble - mdpil

ic-launcher. Pong

doucouble-hdpi

ic-launche. Pong

(d) (olors and styles? Define (olors styles & thems in resource files to maintain a consistent look and feel across the app.

Ed. discource 4

doolog name = 1 Primary - 10100 "4 # 3498 dh 21101007

discource 4



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ue :- 7	How does an Android Genvice Contribute to the functionality of a mobile Application & Describe the process of developing an Android Service.
	An Anchold Service Contributes to the functionality of a mobile application by penforming tesks in the background without requising direct user interaction. It exhauses um app's capabilities in Sevencel ways, such as i
	· Buck Groound Tasks
	· Dotter Paniessing
ic will	· Location Opdates
	• Scheduled Operations
	· Fore Clorund Services
	The state of the s
	Devloping on Android Gervice Involves the following Steps ?
-	
Step 1:	Class. This class defines the logic and behaviour of your service.
Step 2%	Implement and override essential life cycle method
Step 3:	Define the functionality your service should perform within the on start command () method.
	Page No.

- Step 48 Declare your service in the Android Mamifest.xml file to inform the Android system about your service and its properties.
- Step 5% Initiate your service by Sending an Intent that specifies the service class you want to stepst.
- Step 6: Service cam communicate auth other app componants or the User interfece using mechanisms like Broadcost receiver, Result Receiver or Messager os needed.
- step 7 % Properly manage the tenimoution of your service to it's no longer required to release system resource.
- Step 8 : Thoroughly test your Service to ensure it
- Step 98 Optimize your service for efficiency, Mamage background execution limits, hundle errors, gracefully, and optimize power consumption to ensure a positive and were experience.