## Assigning Background Tasks 1) Service & Intent Service = Traditionally, work in buckgrand was done using this technique. For communication, need to use Intent. Explicit inlink \ val i = Intent (this, < februare) Start Activity (i) You ned to have a facility of registering and than runing intents, called inflicit intent. How to define an implicit intent to start on activity? An actuity must specify the type of action that it can perform. ACTION\_VIEW ACTION\_SEND } Activities within apps need to Speafy that they are capuble of this If there are multiple activities capable, then the user is given a choice. Within the actually entry within the manifest file, needs to sperify the type of actions that are possible within the crintent-filler" entry. <aching class= id=> intent-fille = ACTIONLVIEW }

be sterify. Intent needs to 1) Action 2) Location of data => URI/Location of a file system 3) Type of data (which can possibly be inferred) 4) Aditional optimal data necessery/for an action val intent = Intent (Intent. ACTION\_SEND), apply } type = c(text/plain) put Extra (Intent. Extra Text, cc ))

put Extra (Intent. Extra Subject, cc )

// start Activity (intent)

Work Manager => Mechanism of doing periodic tasks.

1) Create a Worker class => defines some task that needs to be done in background

1) Create a WorkRegrest => assigns the task

2) Create a WorkRegrest => assigns the task

3) Channel and Notification to inform the user

class PWorker ( val content: Content workerParameters: WorkerParameters Corontre Worker (content, workerParemeters) Override Suspend fin doWork (): Result { contect. app Screen Size to display, and so on Define the main task hore, Constants. bulder (). Set Requied Network . Set Constraints (constraints). build ()
Work Monager 2 get Inslance (regime (ontext ()) a enquere

(....) Por The Task is scheduled for There is a way of registering constraints 3) Notifications and Channel

Create a chancel from an activity to a Notification Monager. Define a Pending Intent, mening when some task is completed, on Intent would be sent which would lead to a Notification