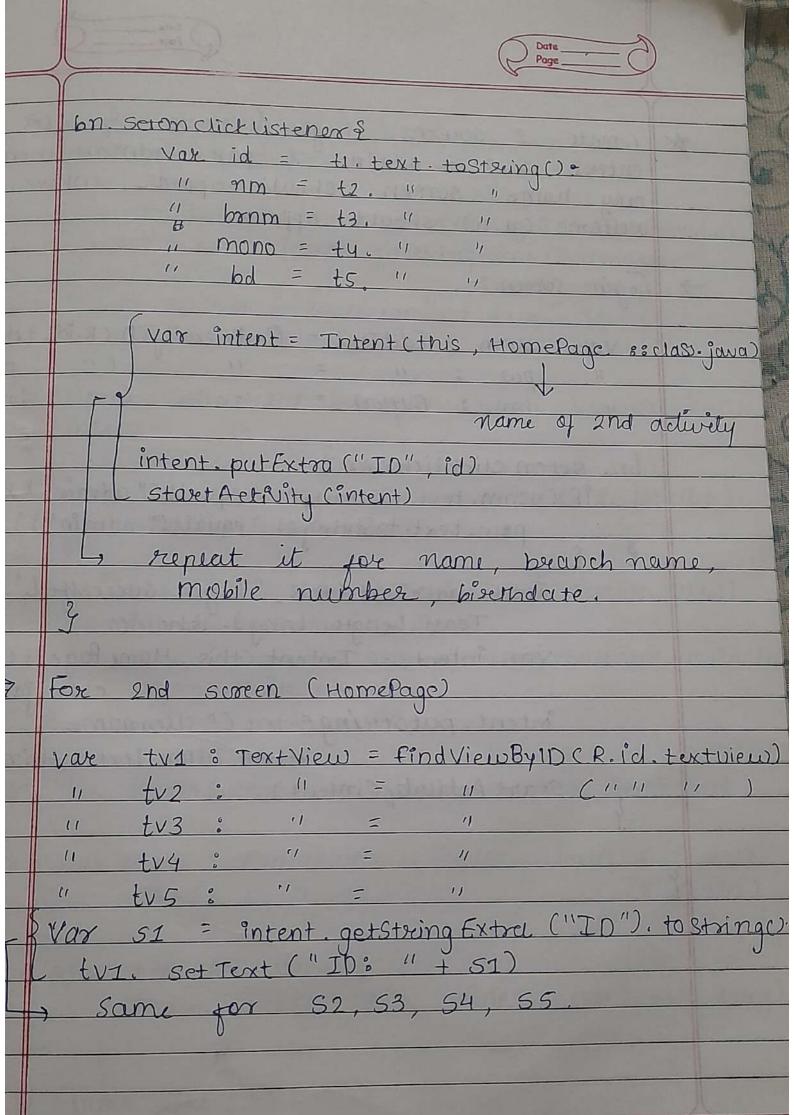
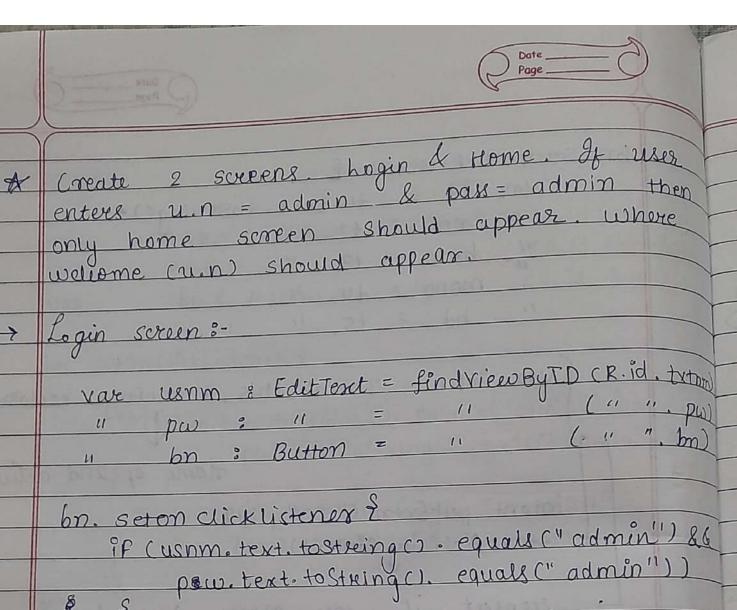
```
To create menu add resource file in the sure page _____
 & summation of two nos.
         etnm1: EditText = findViewByID (R.id.txtn1);
    Var etnme : EditText = find View By [D (R. id. txtn2);
    var bin: Button = find View By ID (R.id. button);
    vaig tv: TextView= find Yiew By ID (R.id. tv1);
    btn. setOn Click List ener
          var n1 = etnm 1. text. tostselog(). toInt();
           " n_2 = e + n_2 \cdot 11 \cdot 11
          Var sum = n1 + n2;
tv.text = "Addition is: " + sum.tostring();
* Activity life Cycle.
      - hog. i ("New Activity", "Onvocate");
   Overside fun onstarti) ?
       super. onStart()
      Log.i ("New Activity", "Onstart called");
  Similarly,
   on Resume (), on Parise (), on Stop (), on Restaut (), on Desta
```

Rogin USM USNM: EditText = frndViewByID (R. id. txtnm). Var PSW: 11 = 11 (R.id. txtpsw). Vase bn: Button = 11 (R.id. btn). Vale bn. set On ClickListenese & "if (usnm. text. to Storing C). equals ("admin") && pswl. text. tostxing().equals("admin")) Toast. make Tenct (this, "Login Successful",
Toast. LENGTH\_LONG), show(); B One screen will take student info from uses & display that to other screen on submit button dick on 2st screen. on one screen (1st) :-Var to & EditTent = find ViewByID (R. id. txt1). (Roid txt2) (R. Pd. tx+3) " (R.id. tx+u) (R. Pd. tx+8) bn: Button CR. id, b titton)





bn. seton clicklisteners & if (usnm. text. tostreing (). equals ("admin") & (

pow. text. to String (). equals ("admin"))

§

Toast. hength long). show()

var intent = Intent (this, Home Page:

"mtent. put Streing Extra C" Ulername ", 218mm Usnm. text. to string)

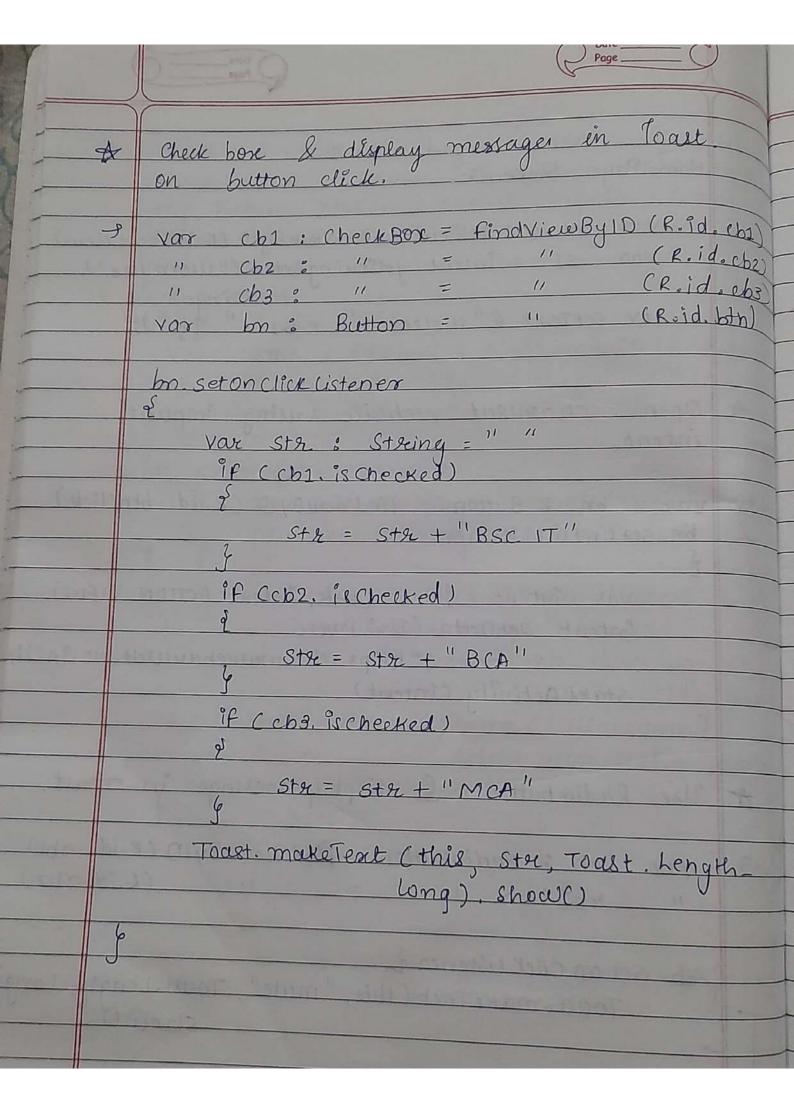
Start Activity (intent)

Login screen :-



=	
	Home Page Somen :-
	Var tv : TextView = findViewBylD (R.id. textview)  var s1 = intent getStringEntra ("username").  tv . SetTent & "welcome" + s1 + " ] [");
A	Open Charusat website using implicit intent.
<del>)</del>	var bn : Button = find View By ID (R.id. btn click) bn. set On ClickListen ex \$
	var intent = Intent (this, Intent. ACTION_VIEW) Entent. Get Data (Usi. Parse
	("https://www.eharusat.ac.?n"))
	Start Activity (intent)
*	Use Radio button & display message in Toast.
Ş.	var sep: RadioButton = findViewByID (R.id. Jb1)  11 Sep 1: (R.id. Jb2)
	seb- Set on Cick Listener {  Toast. make Text Cthis, "mule", Toust. Length. Long Show U.J.

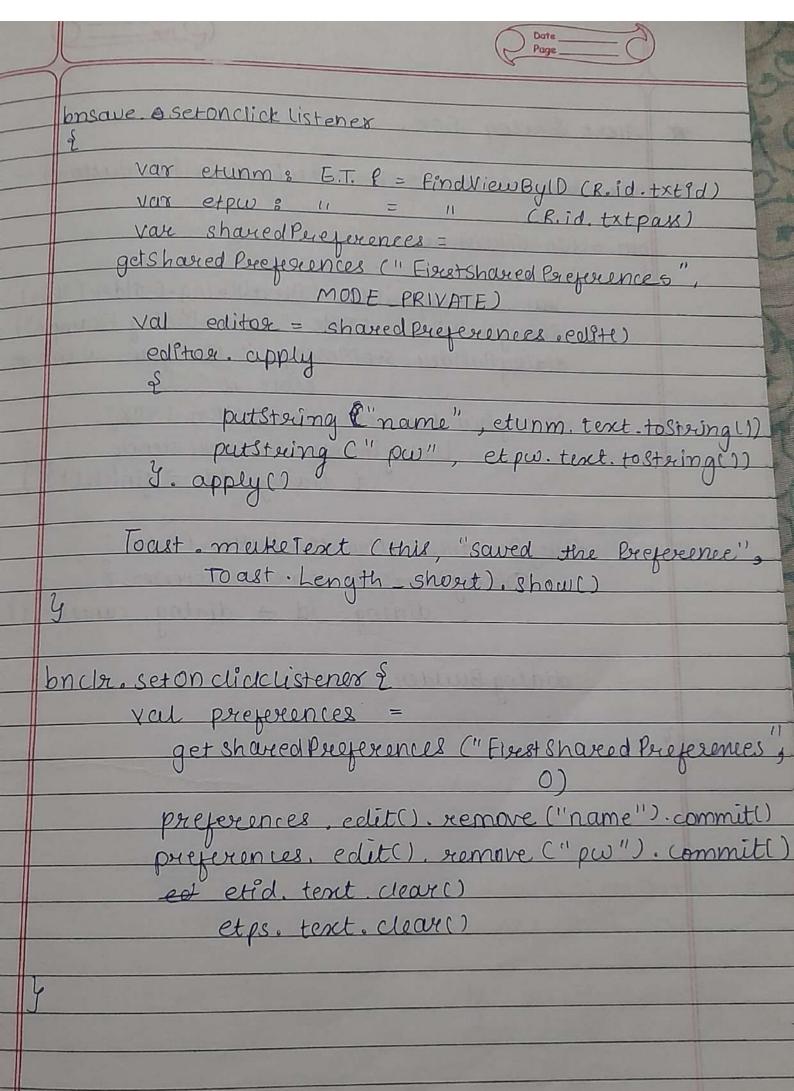
same for rb1 I female.

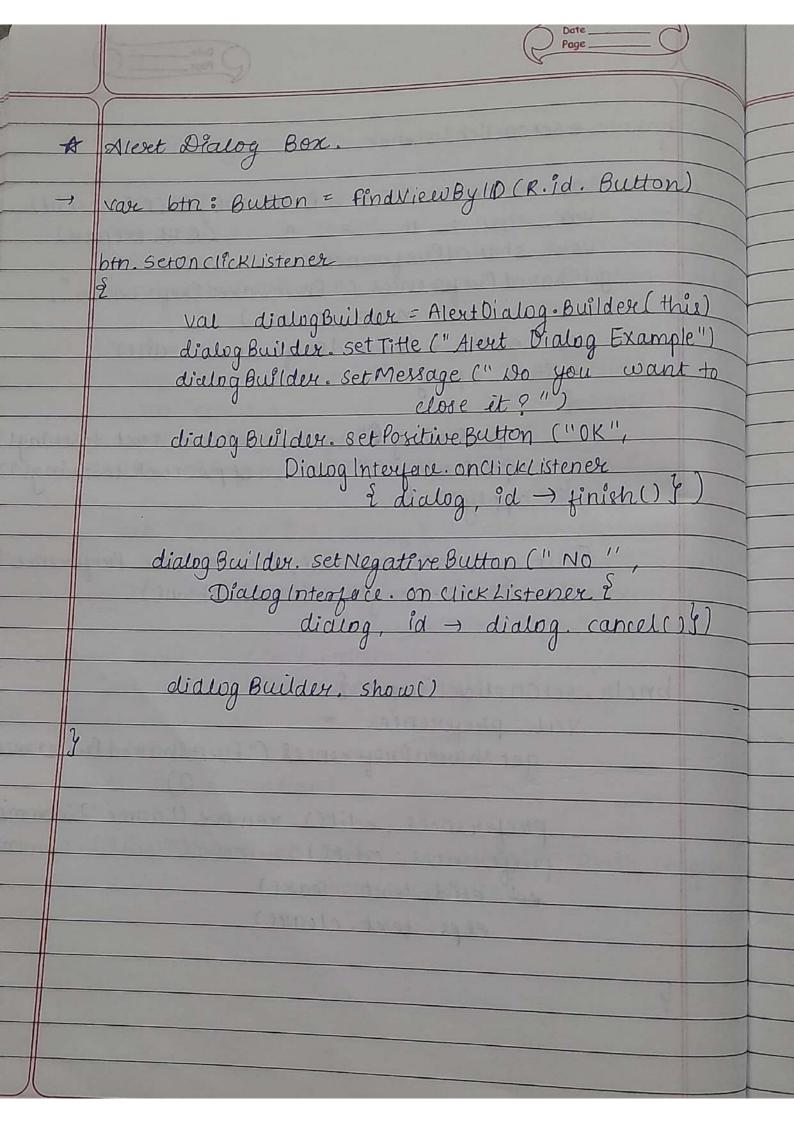


A Toggle button & switch print steetus in Toust var th: Toggle Button = findNiew BylD (R.id. th)
var sw: Switch = 9 11 (R.id. sw) Sw. set anchecked change Listener & \_, checked -> EP (Sw. is Checked) & Toast make Text (this, "ON" Toust, Length long). shows Toast (0/6) dame for toggle button

```
Shared Preferences.
  var etfd & EditText = findViewByID (R.id. +xtid)
                                    (R.id. Extpass)
  var etps:
                                      (Rid. btn save)
  var bosave: Button = 11
                                       (R.id. btncance)
  var brocancel: B 11
  try &
     Var et pw1 8 " = " (R.id. txtid)

Var et pw1 8 " = " (R.id. txt pass)
     var etpw1 8 "
     val shared Preferences =
  getShared Preferences ("FirstShared Preference"
                              MODE PRIVATE)
   Vort Stringval: String? = shared Preferences.
                        getstreing ("name", null)
   vad String vall: String? = Shared Profesences.
                           getstring ("pw", null)
     et un 1. set Text (stringval)
     et pw1. SetTeset (Steing val)
catch (e: Exception)
    Toast make Text (this, e. to Streing (), Toast . Length.
                  shout). show()
```

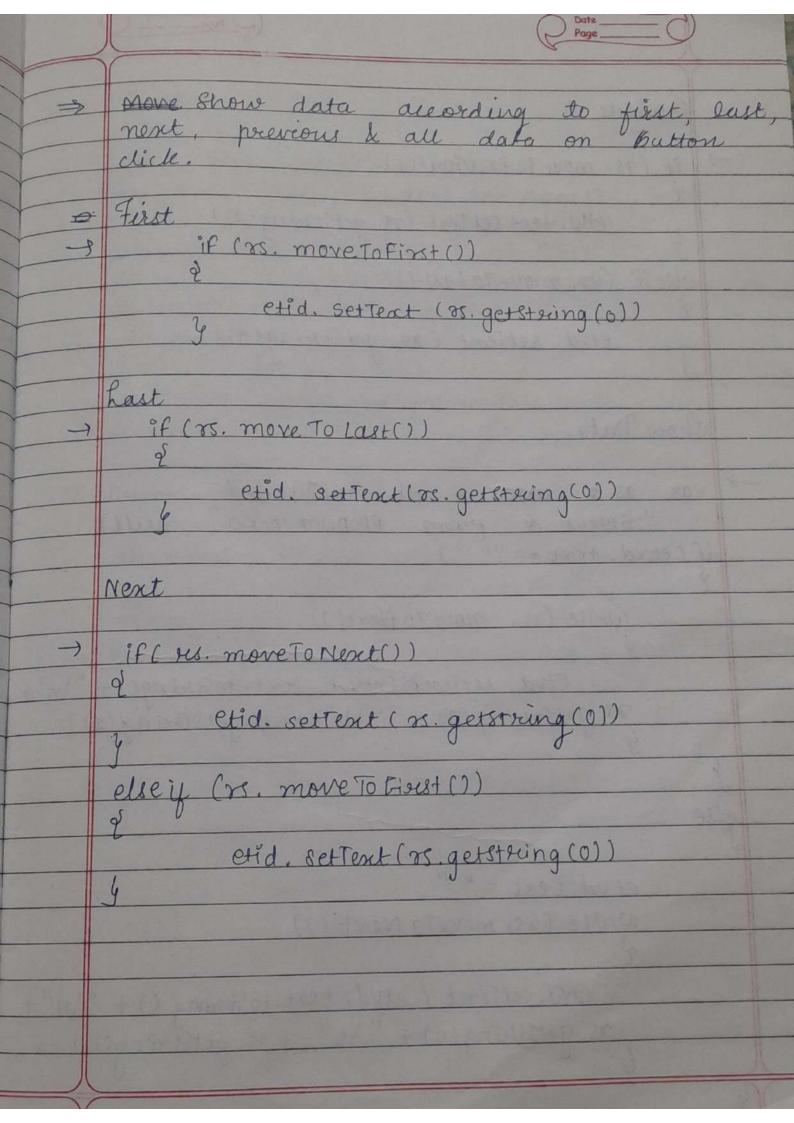




Database connection Create a new deliper class Class DBHelper (context: Context):

Solite Open Helper (context, "product db", null, 1) database name. Override fun oncreate (po: saliteDutabuse) # create teuble query. (2 ways) val c. table = " CREATE TABLE PRODUCTINFO CPCODE INTEGER PRIMARY KEY, PNAME TEXT) : " po? execsol (c table) (2) DO P EXECSOL (" LREATE TABLE PRODUCTINFO CPCODE , NTEGER PRIMARY KEY, PNAME TEXT ) " " Overside fun onlygrade (po: sal Pte Database? p1: Int, p2: Int) # Drop table if exists query.
po? execsel (" DROP TABLE IF EXISTS PRODUCT INFO") on (reate (po)

Connecting Darubase class to kotlin file. var helper = OBHELPER (cipplication context) VOR db : Solite Doutabase = helpen readuble Databall var us = db. nawQuery (" select & ferom PRODUCTINFO", null) vioce etid & E on button diek listener if you want to insert into database. var cv = Content Values (). - CN. put ("PID", etid. text. to String()) - Write CV. put as many times as the row of columns in your table db. Insert ("PRODUCTINFO", null, CN) table-name ers. requery () Toget. mukeTeret (this, "PRODUCT ADDED", Toget. LENTATH WARD. Show()

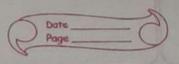


```
Previous
    9f (78. move To Previous())
        etid. text setText (rs. getstring (0))
   elle if (rs. move To Last ())
            etid. settent (25. getstring (0))
  Show Data.
 var 75: Cursor = db. rawQuery (
"Select & from Proporting", null)
if (etvd. text == "")
          while (25. move To Next())
          Ctvd. setTent (etvd. text. toString() + "\n"+

35. getStreing (0) + "\t" + 25. getStreing (1))
else
          etvd. text = " "
          while (25, move To Next ())
          etvd. set [ent (etvd. text. to String () + "\n"+

os. getstring (o) + "\t" + > getstring (1))

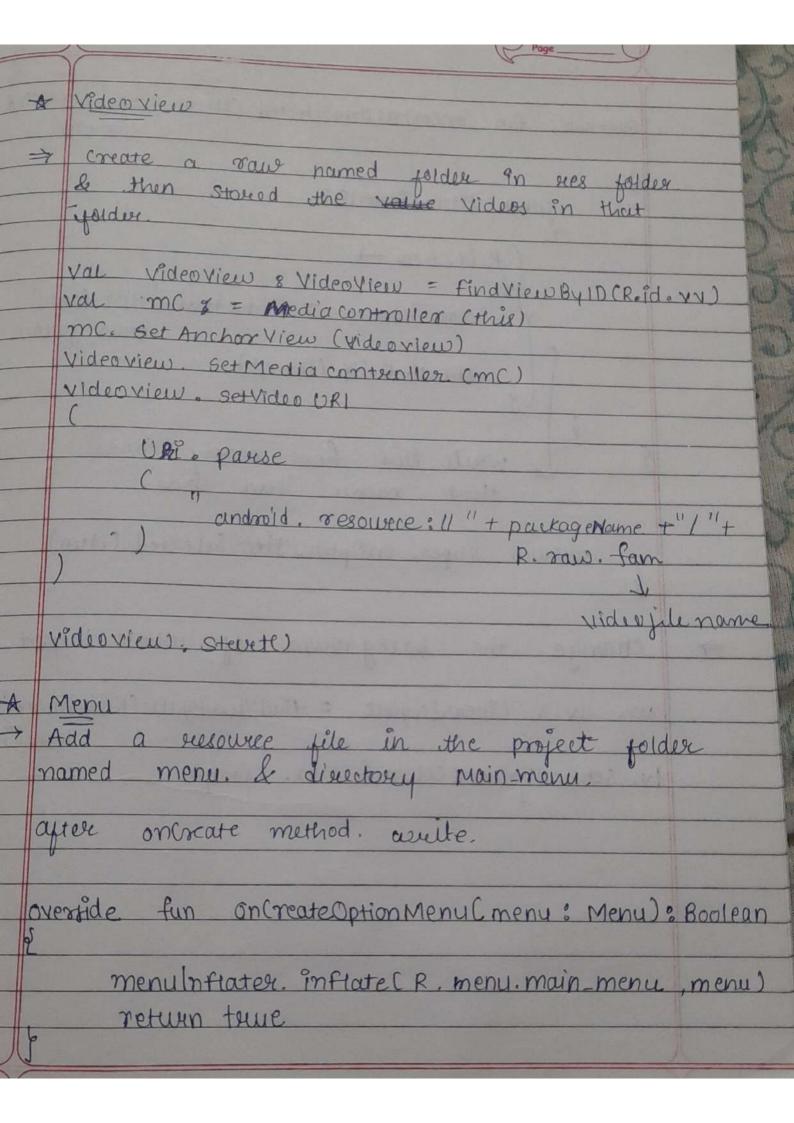
(
```



> Update the data Vax CN = Content Values () CV. PUT ("PID", etid. text. toString()) db. update ("PRODUCTINFO", ex, "FID = ?" array OF (etid. text. to String ()) DS. reguly() if (og. moveTo fixest()) etid. settent (ss. getstring(0)) Delete the data db. delete ("PRODUCT INFO", "PID = 3" arrayof (rs. getsteing (0))) 25. requerey() Toast make Text (this, " Record Deleted", Toast . Length-le show() if (8. move To Figur ()) etid. setText (25. getstring (0))

& Spinner Val colors: Array 2 String ? = array Of

("Select any color", "Red", "Green", "Blue",
"Yellow";) declare thie variable globally var sp : Spinner = findViewByID (R.id. Spinner); vacos to var sp-value: String var adapter: Annay Adapter 1string> = ArrayAdapter Strings (this, andresid . R. layout. scleet\_dialog\_item, colous) Sp. set Adapter (adapter) Sp. on I tem Selected Listener = object: Adapter View. On I tem Selected Listener overside fun on Item Selected ( parent: Adaptervieut View: View?, position: Int, id: Long) Sp value = Sp. selected Hem to Streing() override fun onNothingSelected (parent: Adapter View (\* >?) 11 TODO (" Not Yet Implemented") if we want to pass spinner value in datable the value stored in spralue



overvide fun onOptions Hem Selected (8 tem : Menustern).

Boolean Boolean when (item. item 1D) R.id. bca van Intent = Intent (this, Bca formis StaretActivity (intent) write this how many times that menu item has. netwen super on Options Item Selected (Item) change the background of whole layout var IV: Linearlayout = find View By ID (R.id. linear (ayout) IV. Set Background Color (Color. Cray)