Android Assignment

Module -1) Introduction

- What is software
- Types of application
- What is mobile application
- Difference between mobile application and web application 5) Who developed Android

Module -2) Kotlin Programing

- Print "Hello World!!!" (print)
- Kotlin Program to Print an Integer (Entered by the User)
- Kotlin Program to Add Two Integers
- Kotlin Program to Multiply two Floating Point Numbers and Program to Find ASCII value of a character
- Kotlin Program to Compute Quotient and Remainder
- Kotlin Program to Check Whether a Number is Even or Odd
- Kotlin Program to Find the Frequency of Character in a String
- WAP to find max value using function as express
- Write simple function name start() return the string "OK" (basic function)
- WAP to create map instance and store values with State, City pair. Also print all value using loop. (Hashmap)

Module -3) Android Fundamental

- Create "hello world" application
- Change screen background color on different button click event
- Navigate between one screen to another screen
- Pass data from one screen to second screen
- Design login and registration screen
- What is R.java file
- What is activity and activity lifecycle
- What is fragment and fragment lifecycle
- Activity to fragment and fragment to activity

Module -4) Android UI Development

1
- Create an application to take input number from user and print its reverse number in TextView without button.

2
- Create an application to input 2 numbers from user and all numbers between those 2 numbers in next activity

3
- Create an application with radio buttons (Add, Subtraction, Multiply, Division) EditText (number1, number2) and print result as per user choice from radio button in TextView

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4 • Write a code to display login form when click on login button and registration form when click on registration button on single activity using fragment

5 • Create an application to load google url into webview also manage forward and backward redirect

6 • In Previous Practical write code to check weather internet connection is available or not if

7 • no internet connection then display message accordingly

8 • create an application to hide TextView when first button click and show when second button click

9 • Create an application to add TextView in TableLayout Programmatically

10 • create an application to open pdf using implicit intent

11 • create an application to increase font size when plus button click and decrease when minus button click

12 • create an application to display n edittext where n is number input by user

13 • Create an application to display Textview when checkbox is checked and hide otherwise A6 Write a program to show four images around Textview.

14 • Write a program to create one string array in string.xml file and that array show in listview

15 • Write a program in android display screen color which the Color will be select from the radio button.

16 • Write a program you have taken three seek bar controls. From three Seekbar which Seek bar value changed the background color of device will be changed.

17 • Create custom toolbar as per given below design

18 • Create toolbar with spinner and search functionality

Module - 5) Android Offline-Online Database

- Create an application of todo app using SQLite with function lite to create list of upcoming task, completed task, remove task, update task in daily activity.
- Create a Sticky Notes app with proper customization which can insert,view,update,delete using SQLite database
- To create task management application for adding, updating, deleting the task and show the tasks in the listview or gridview. Task have name, description, date, time, priority. Sort the task by the date and time wise. If task is due then automatically show as blue color. It will search the tasks by date wise. If high priority then show as red color, average priority as blue color, low priority as green color. Select specified item an open context menu to select "Complete the Task" then this task
- Create an application in which employee can login and register with MySQL database
- In previous application after logging employee can insert, update and delete project details Create an application to select employee profile page in which employee can upload profile
- pic selected from gallery or camera after login to application

Module - 6) Advanced Android Development

- pic selected from gallery or camera after login to application
- Create an application to display Google map with current location also give options to change mode in map

- Create an application to input address and display marker on that address
- Create an application to suggest places as user type with help of Place autocomplete
- service provide by Google
- Write a code to rotate image Write a code to blink image
- Write a code to move image from one place to another place Write a code to zoom in / out image using animation
- Write a code to show progress frame by frame animation
- set animation on splash screen with app logo

Module - 7) Advanced Android Development

- set animation on splash screen with app logo
- Create an application to play song from raw resource folder
- Create an application to play song from mobile memory
- Create an application to play song from Server
- use WAKE LOCK when playing video play
- Create an application to convert text typed in edit text into speech
- Create an application for Wi-Fi on-off

Module-8) Application Deployment – Play Store

- Deploy application on play store