



University of Central Punjab

(Incorporated by Ordinance No. XXIV of 2002 promulgated by Government of the Punjab)

FACULTY OF INFORMATION TECHNOLOGY

Course	CP3063 - Mobile Application Development	Instructor(s)	Muhammad Azeem
Total Marks	40	Time Allowed	70 Minutes

Question No. 02: Short Answers

Marks: 8 x 3 = 24

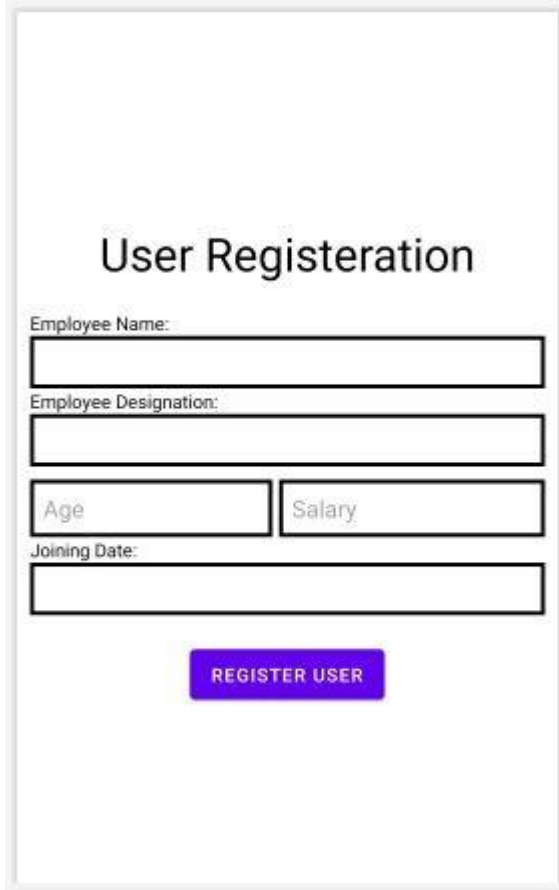
- Write down the syntax (not the example) for the following (in kotlin):
 - For loop*
 - Toast message*
 - Function in kotlin*
- Write a kotlin function that takes any no. of integers as parameter, prints and returns the sum (addition) of numbers.
- Write a kotlin function that takes an integer N as parameter and returns the smallest prime no. P such that $P > N$.
- What are sharedPreferences? How to write data into SharedPreferences? (Write an example code).
- What is Firebase? What are different services (functions) provided by the Firebase? Briefly describe any three.
- What are two types of permissions in android? How these permissions are written/requested? Write an example code for each.
- Provide one line description of each method/function that is to be implemented in LocationListener class.
- Write a kotlin function what takes a Boolean value and a message (String) as parameters. Function displays the message using AlertDialog if Boolean true is passed otherwise displays as Toast message.

Question No. 03: Long Answer

Marks: 06

Write down the XML code to design the given interface/layout using Linear Layout.

Note: using layout other than linear will leads to zero.



The image shows a user registration form with the following elements:

- User Registration** (Title)
- Employee Name:** (Text label) followed by a single-line text input field.
- Employee Designation:** (Text label) followed by a single-line text input field.
- Age** (Text label) followed by a single-line text input field.
- Salary** (Text label) followed by a single-line text input field.
- Joining Date:** (Text label) followed by a single-line text input field.
- REGISTER USER** (A blue button with white text).