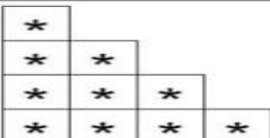
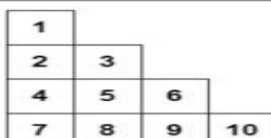

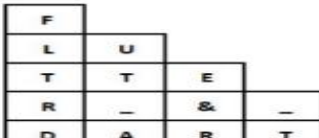

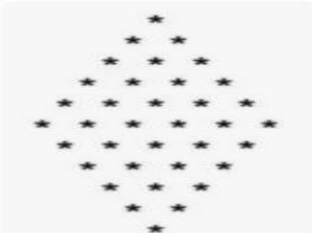


Flutter and Dart Practical List Set-I

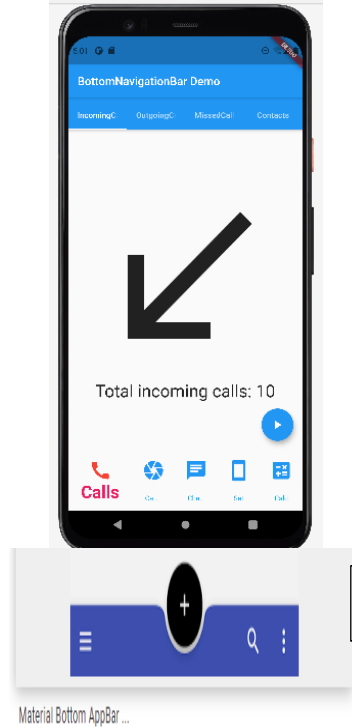
1	Write a Dart Program to convert Temperature to and from Celsius Fahrenheit
2	Write a Dart program to check a pair of numbers and return true if one of the numbers is 50 or if their sum is 50.
3	Sum of Digits of a number in Dart
4	Write a JavaScript program to check whether a given positive number is divisible by 2 to 11.
5	Make a list of factors of a given number. The actual factors of 108 which are 1, 2, 3, 4, 6, 9, 12, 18, 27, 36, 54, and 108.
6	Make a list of all prime factors of a given number. The prime factorization of the number 108 gives us $108 = 2 \times 2 \times 3 \times 3 \times 3$
7	Finding the Number of Factors of given number. The number of factors of 108 is 12.
8	Write a program to reverse the numbers given in a list Input: 789 567 987 456 Output: 654 789 765 987
9	Write a Dart program to sort two given Lists of integers, merge and create another sorted array. Example: array1 = [1,3,4,2] array2 = [8,2,7, 5] result = [1,2,2,3,4,5,7,8]
10	Create a class Mobile, declare fields for mobile specs (i.e brand, color, camera) and initialized constructor and create three objects initialize and print details.
11	Write a program to print number into words Input N=125 Output : One Two Five
12	Write a program to print the number into words Input N=125 Output: One hundred twenty-five
13	Write a program to print binary equivalent of a number Input : 8 Output : 1000
14	<p>Using Dart Programming Language create the following patterns</p> <div> <div>1)</div>  </div> <div> <div>2)</div>  </div> <div> <div>3)</div>  </div> <div> <div>4)</div>  </div> <div> <div>5)</div>  </div> <div> <div>6)</div>  </div>

Flutter and Dart Practical List Set-II

Q1. Write a program to create the Application to perform the following operations on the number
Increment, Decrement, Square, Reset
Check Prime, Check Even/Odd, Check
Palindrome, Compute Factorial



Q2. Create an application using Bottom Navigation Bar, Bottom app Bar and tabbar



Tabbar

BottomNavigationBa

Q3. Create a Flutter application that obtains two integers from the user and prints their product, difference and quotient (division).

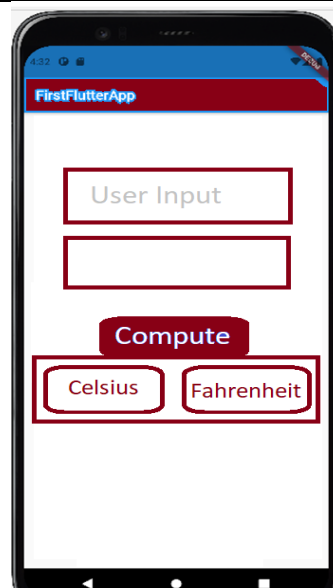


Q4. Create a flutter Application to perform the following operations on the number
 Converts a Fahrenheit to degree Celsius using the formula:

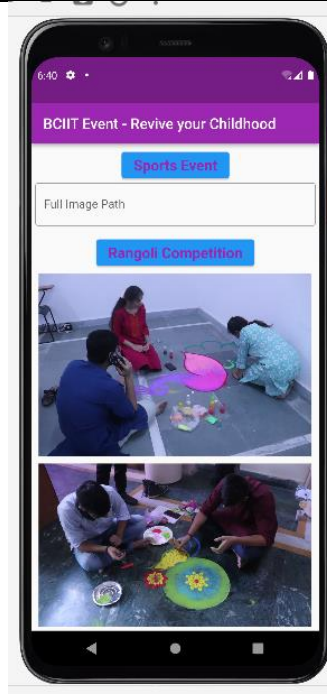
$$\text{Celsius} = [(\text{Fahrenheit Value}) - 32] * 5 / 9$$

 Converts a degree Celsius to Fahrenheit using the formula:

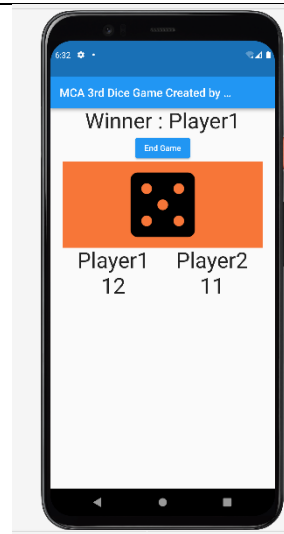
$$\text{Fahrenheit} = [(\text{Celsius value}) * (9/5)] + 32$$



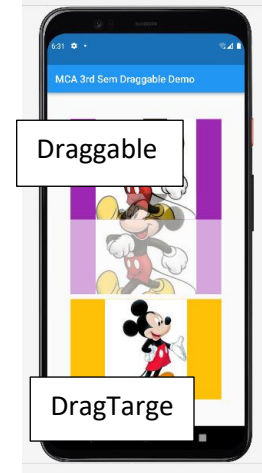
Q5. Create a Flutter application with the following UI to display the image of the image url of TextField



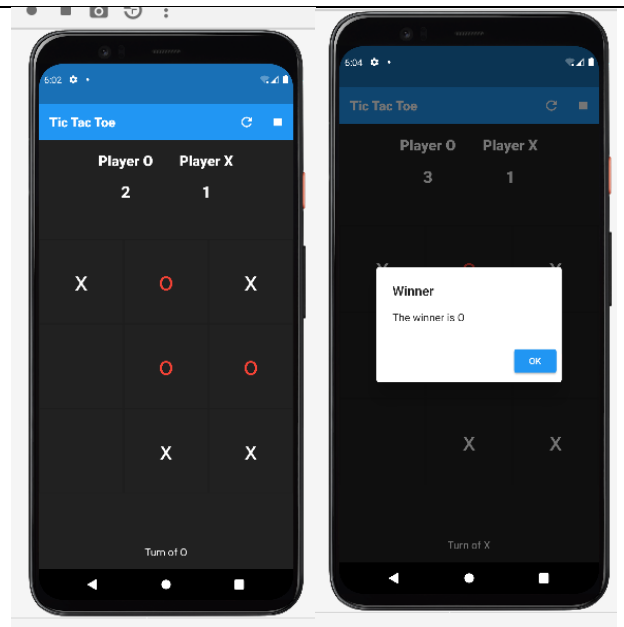
Q6. Create an application using InkWell , onTap event widgets.



Q7. Create an application using Draggable, Dragtarget widgets.



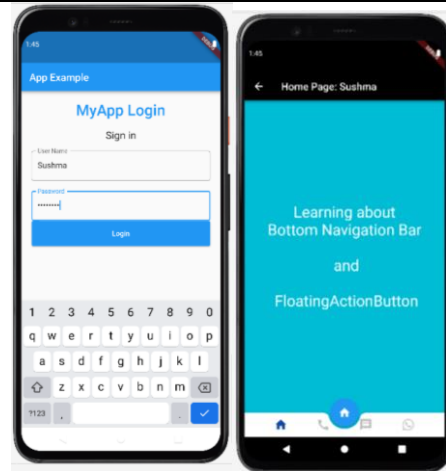
Q8. Create the Tic Tac Toe App



Q9. Create the App to using stack widget



Q10. Design a login Page and navigate to the next page if correct credentials are entered

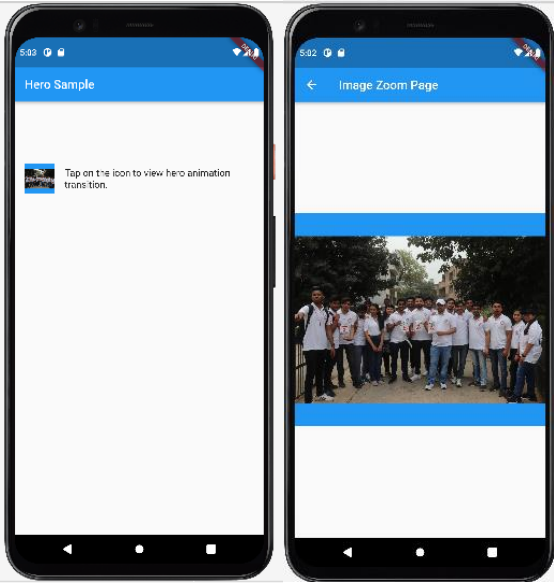
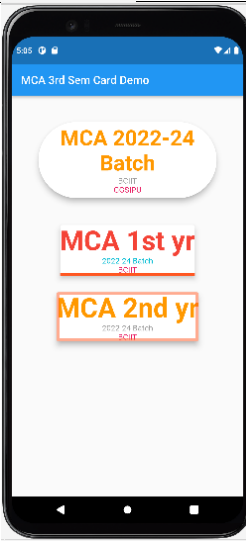
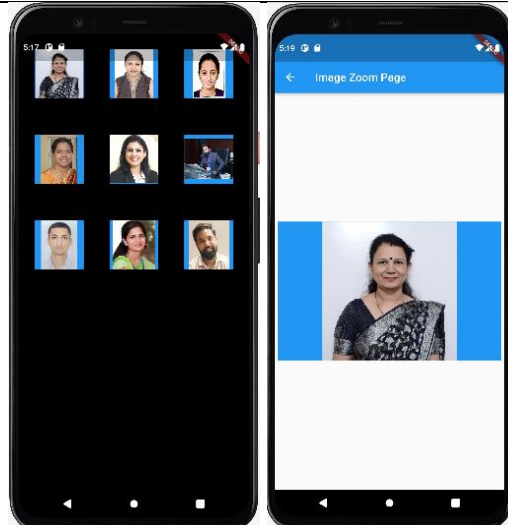


Q11. Create an app to play and pause a Video



Q12. Create the list of students and display using list view



<p>Q13. Create the app using Hero Widget</p>	
<p>Q14. Create the app using Card Widget</p>	
<p>Q15. Write a dart program to read and write data to JSON file</p>	
<p>Q16 Create the application using Grid view widget and hero widget</p>	

Dr. Sushma Bahuguna,
BCIIT.