19CSE303 Embedded system Lab evaluation, Nov 11, 2021

1.	Consider the following pattern, where \ast denotes an LED that is ON and $^{\rm A}$ denotes an LED that is OFF.
^ ^ ^ /	^
^ ^ ^ /	. *
^ ^ ^ *	Λ
^ ^ * ^	Λ
^ * ^ ^	Λ
* ^ ^ ^	Λ
^ * ^ ^	Λ
^ ^ * ^	Λ
^ ^ ^ ,	Λ
^ ^ ^ /	\ *
^ ^ ^ /	^^
Write	a program to create the above pattern on LEDs connected to LPC2148 port pins.
Port p	ins P1.x , P1.x+1, P1.x+2, P1.x+3, P1.x+4, where x is CB.EN.U4CSE194*x, the last digit of your roll er.
Compi	le the code and simulate the results in Proteus.
Clear	any doubts ins the question during the initial 10 minutes.
Mark	distribution:
Progra	m design - 8
Outpu	t on GPIO port in debug screen - 5
Simula	ition on Proteus - 3
Viva –	4
Total 2	20 marks