	Student 10: 202052307	
	Mame: Archit Agrawal Page No. 1 Sign: fullit Agrawal Date 25/3/	221.
	End-Semester Examination TT101	
	Remote: Exam	
	A. Buestion 1	
	# include < stdio.h7	
-	() {	
	int main O {	
-	int n;	1
-	printf (" Enter a Number \n);	:
	scanf (" "-d", &n);	
	int size = sizeof(n);	
	We will be a state of the state	
	printf ("Entered Decimal Noember: "I'd \n"	(, n);
	printf(" Size of Integer data type in compiler	: /d \n",
		size);
	Size = size* 8;	
	int binary ()	1/4
-	for $(x = size - 1; x = 0; x -)$	
	for (x=5/22-1; x >=0; x-7)	
-	1	
	$if (n > 0) $ { $birpay[x] = n < 1.2^{\circ},$ $n = n/2^{\circ},$	
1	bingry x = n 1.2	
-	11 - 11/2	
+	?	

Student 10 : 202052307 Name: Archit Agrawal Page No. 2 Date: 25 / 3 /202 sign: felial forcinal else {
| bintary[x]=0; int count 1 = 0, count 0 = 0; for (int i = 0; i < size; i++) { if (binary[i] == 1) count1+t; else count 0+t; printf (" Number of 1's in binary number of input decimal number = %-d \n", count 1); printf ("Number of O's in binary number of input decimal number = 1.d \n", count 0); return 0; 1-

Hame: Archi'l Agranal Page No. 3 Date: 25/3 /2021 Sign: Artist formancel Question 3 EA. I molude < stdio. b? roid print Pattern (int K, int array [K][K]) int main () } int n; printf (" Enter the number of rows \n"); Scanf (" 1.d", bn); int pattern [n][n]; for (Int i=0; i < n; i++) { if (1==0) } pattern[i][6] = 1; continue; if (i==1) { pattern [i] [0] = 1° pattern[i][1]=1: continue; for (int j=0; j<=i; j++) { if (j==0 || j==i) { pattern [i][j] = 1;

Student 10: 202092307

	Name: Archit Agranel Page No. 4 Sign: felit frank (Date 25/3/2021)
	patternCiJCil = patternCi-JCiJ+ patternCi-JCi-JCi-JCi-JCi-JCi-JCi-JCi-JCi-JCi-J
	print Pattern (n, pattern); return 0;
	printf ("In Input Number of Rows = "/od/n", K); printf ("In EPATTERN FOR V.d ROWS IS SHOWNIN'),
	printf (" THE PATITERN FOR Y.d ROWS IS SHOWNININ, k); for (int i = 0; i < k; i++) {
	for (int $j=0$; $j \in [i,j++)$ } $printf("'/-d \setminus t", array(i][j]);$
	print f ("\n");
3	return;