	201801015 SHANTANU TYAGI					
	MEM INDIA					
	CS374 Lab 1					
	The state of the s					
Probl.	r = input ('enter radius')					
	h = input ('enter height')					
	SA = 2 x pi x r x (r+h)					
	A.11-11 - 1 0 5 771					
	Output = 1.25566 e + 03					
Prob 2.	11) a = zeros(4,5) m=4, n=5					
Educ F	(ii) $a = nnes(4,5)$ $m=4, n=5$					
	(iii) $a = eqr(4,4)$ $m = n = 4$					
1	For square matrix only the diagonal					
B. / - /	(iii) a = eye (4,4) m = n = 4 For square matrix only the diagonal is defined.					
2						
Prob3.	minimum = min (AD) (Refer codes at)					
	maximum = max (A3) (end					
	[21] [C1 (2(3) [A]					
Prob4.	$\begin{bmatrix} \chi_1 \\ \chi_2 \end{bmatrix} = \begin{bmatrix} \zeta_1 & (\zeta_2 & \zeta_3) & A \\ \zeta_4 & \zeta_5 & \zeta_6 & B \end{bmatrix}$					
	n3					
	(Refer code)					
Probs.	(Rofer code) [N] 0.3018					
11005.						
	(X3]					
Prob6.	C = A + B					
	1 e 6 0.001					
Prob 7.	Zn Z					
	In the state of th					
	⇒ n ≥7					
	for error to be within given bounds					
	tor error					

1	
Proble.	a.) Prints 3rd element i.e. 5
	b.) Prints elements from position 1 to 7 i.e. all elements.
	c.) Prints all elements from positions to the last index.
l.	a) Prints all elements except the last one
	starting inclex = 6, ending index = 1, step = -2 f.) Prints 1st, 6th, 2nd, 1st elements.
	e.) Phinks of the und 2nd elements. Because. Starting index = 6, ending index = 1, step = -2 f.) Prinks 1st, 6+10, 2nd, 1st, 1st elements. respectively g.) Sum of all the elements in the acrey is printed = 33
Prob9	$a.) \chi I = A(I);$
	b.) $y = A([2,3], :)$
	c.) sum (A)
	d.) Sum (A')
	e.) se = [std (A(:,1)), std(A(:,2)), Std(A(:,3))]./sqrt(3)
Propio.	a.) works
	b.) works
	C.7 WOXKS

No tero because dimensions do not match No because for concot, dimensions must match f.) WOYKS 9-) WOYKS Probl. a.) Transpose of the matrix for Prints all rows but only column with index I and 4 c.) Prints row 2 and row 3 but only the columns 3 and 1 for there rows.) reshapes the matrix into a new matrix of 2 nows and 6 columns taking colum-wise entires from original matrix and filling them column-wise in the reshaped matrix e.) Prints the entire matrix as a single column with elements taken vow-wise f.) flips the rows in up-down direction 9.) flips the columns in left-right direction h.) Error because dimensions don't match

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	THE TIMES OF THE PARTY	PAGE NO.: , DATE
	(i) Prints all rows from	to 3 and
	prints all column en	thes for each
	material contains	WA SEE
	(i) conçats new rows	below the
	original matrix A. Th	ese rows are
	the rows from 1 have all column e	loments.
	v transition of	111
	K.) Sum of all colum	n elements
	1.) Sum of all you	
	as a now vecto	r.
to		
	m.) Sum of all row as a column vec	
	p.) concates sum of	_
Aluni	a new column me columns as a and finally shows an	new now and
(113	and finally shows som	of all the
	elements at the 10	ust Index
Pobl2	(a) ava = Svm(F)/5	(average
MUJIC.	(a) avg = 3vm(F)15	
7	$(b) s = s \nmid d(F)$	(column wise) (standard)
		deviation
William	(c) texores = ttest (F)	gives all zero
On to		vector)
1300	I There is a company of the	

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Prob 13	(a)	Sum (x)		
	(b)	cumsum(x)		
	(c)	Sin(n)		