

C PROGRAMMING LIST	
Assignment-1 BASIC	
1	WAP to display string “I Like ‘C’ programming...”
2	Pattern of *
3	WAP to Display your name using printf
4	Print your hobbies
Assignment-2 Input /Output	
5	WAP to find Square of number
6	Simple Addition, Subtraction, Multiplication and Division
7	WAP to find area of Square ($area = l * l$)
8	WAP to find area of Rectangle ($area = l * b$)
9	WAP to find area of Triangle ($area = 1/2 * b * h$)
10	WAP to find area of Circle ($A = \pi r^2$)
11	WAP to find area of Ellipse ($A = \pi ab$)
12	WAP to find area of Cylinder ($area = 2\pi r(r + h)$)
13	WAP to find Simple Interest ($SI = PRN/100$)
14	WAP to solve $z=x*x + y*y$
15	Diameter=(s1+s2+s3)/2
Assignment-3 If	
16	WAP to check whether user is eligible for voting or not
17	WAP to check, given number is odd or even
18	WAP to check given year is leap year or not
19	WAP to find out maximum from 2 numbers
20	WAP to check given number is positive, negative or zero
21	WAP to find maximum number from 3 numbers
22	WAP to find discount is given or not according to bill
23	WAP to print grade according to percentage of three subjects
24	WAP to find discount according to bill
25	WAP to check, given character is capital, small, digit or special char
26	WAP to check, given character is vowel or consonant
Assignment-4 Switch	
27	WAP to print day according to day no
28	WAP to display Month Name According to month no
29	WAP to display name of colors according to color code
30	Menu driven program for square and cube
31	Menu driven program for add, sub, mul & div
32	Menu driven program for area of circle, rectangle, square
Assignment-5 Conditional Operator	
33	WAP to check given number is odd or even using condition operator
34	WAP to check given year is Leap year or not using condition operator
35	WAP to find out maximum from 2 numbers
36	WAP to find out maximum number from 3 numbers
Assignment-6 For	
37	WAP to display I to n num using for
38	WAP to display even num between 1 to n
39	WAP to display odd num between 1 to n
40	WAP to display odd num between n to 1 reverse loop
41	WAP to print squares of number from 1 to n
42	WAP to print multiplication table of given number
43	WAP to print sum Of 1 to n number
44	WAP to print factorial of Oven number
45	WAP to print sum of odd/even number from 1 to n

46	1+4+9+16+25+ - - + n^2 Display total sum
47	1/1 + 1/2 +1/3 + 1/4 + - - - + 1/n Display total sum
48	1/2 + 1/4 + 1/6...
49	1/1 + 1/3 + 1/5 + 1/7
50	$1^1 + 2^2 + 3^3 + 4^4 + \dots + n^n$ (power())
51	1! + 2! +3! + 4! +..... n!
52	10 + 20+ 30 + 40 +.....+n
53	5 + 10 + 15 + 20 + 25 +.....+n
54	1/1! +2/2! + 3/3! n/n !=
55	(x+y)/(n*n+1) + (x+y)/(n*n+2)
56	0, 1, 1, 2, 3, 5, 8.....
57	1/1+1/4+1/9+1/16.....
58	1+4+7 +10+13.....
Assignment-7 Nested Loop	
	Refer Separate Document File. (ON LAST PAGE)
	(Program no - 59 to 89)
Assignment-8 While	
90	Print numbers from 1 to n
91	Print all odd/even numbers from 1 to n
92	Print multiplication table of given number
93	Print n to 1 numbers
94	WAP to print sum of 1 to n number
95	WAP to accept num from user and find sum of digits
96	WAP to accept num from user and print reverse of it
97	WAP to accept num from user and check number is palindrome or not
98	WAP to accept num from user and check number is Armstrong or not
99	WAP to accept num from user and check number is perfect or not
100	WAP to accept num from user and check number is prime or not
Assignment-9 do While	
101	Print numbers from 1 to n
102	Print all odd/even numbers from 1 to n
103	WAP to display odd num between n to 1 (reverse loop)
104	WAP to accept num from user and print reverse of it
105	WAP to accept num from user until user press zero
106	WAP to accept num from user until user press zero. Print Sum of all numbers.
107	WAP to accept num from user until user press zero. Print Max num from that number
Assignment-10 ID-Array	
108	Accept array from user and print it
109	Accept array from user and find sum of array elements
110	Accept array from user and find maximum and minimum element
111	Accept array from user, enter one searching element ane find whether searching element is present in array or not
112	Accept array from user, enter one searching element and find its occurrence
113	Accept two arrays from user and find sum of two arrays
114	Accept two arrays from user and compare them
115	Accept array from user and sort it (Ascending/Descending)
Assignment-11 2D-Array/Matrix	
116	Accept matrix of n x n and print it on screen
117	Find transpose of given matrix
118	Print elements of major and minor diagonals
119	Find sum of major and minor diagonal
120	Multiplication of one matrix with a specific number
121	Find sum of two matrices

122	Check whether two matrices are same or not
123	Find multiplication of two matrices
124	Check whether given matrix is unit or not
125	Check whether given matrix is identical or not
Assignment-12 String	
126	Find length of given string
127	Count number of vowels and consonants in given string
128	Count number of space and words in given string
129	Copy given string to another string
130	Compare two strings
131	Print reverse of given string
132	Check given string is palindrome or not
133	Case conversion (lower to upper/ upper to lower / toggle)
134	Count occurrence of specific character
135	Print character pattern of given string
136	Print specific character with “ * ”
137	Arrange given string's character in ascending order
	(String Functions)
Assignment-13 Function	
138	Find sum of two integer
139	Find square of Given number
140	Find area of Rectangle ($area = l * b$)
141	Find area of square ($area = l * l$)
142	WAP to find area of Triangle ($area = 1/2 * b * h$)
143	WAP to find area of Circle ($A = \pi r^2$)
144	WAP to find area of Ellipse ($A = \pi ab$)
145	WAP to find Simple Interest ($SI = PRN/100$)
146	WAP to find Diameter=(s1+s2+s3)/2
147	Find sum of 1 to n number
148	Find Factorial of given number
149	Find base raise to power (base-3, power-2, answer-9)
150	Check given number is odd/even
151	Check given number is positive, negative or zero
152	Check given year is leap year or not
153	Find maximum number from given two number
154	Find maximum number from given three number
155	Print one-D array using function
156	Find sum of array elements
157	Find maximum and minimum element of array
158	Arrange given array in ascending order
Assignment-14 Structure	
159	Create structure of student (rno, name, std, per)
160	Create structure of employee (eno,ename,salary,comm,net). Calculate net as salary+ comm.
161	Create Structure of item (ino,iname,price,qty,total). Calculate total as price*qty Use array of structure to input 3 records
162	Create Structure of books(bno,bname,author,price,publisher). Use array of structure to take 5 records
163	Create Structure for student (rno, name, std, mark 1, mark 2, mark3, total, per).Find total and per using function
164	Create structure of employee (eno,ename,salary,hra, da, pf, net). Find net as salary+ha+da-pf using function for 5 records
165	Create structure of Athlete (name, height, weight). Print only those records having height>=120 and weigh>=50) from 5 records

166	Write a program to accept details of employee (Id, Name, Designation, Attendance Basic Salary, Overtime_ Hours.) Using structure. Calculate the total salary. (If Attendance <25, basic salary — 1000. And Overtime should be added as Overtime_hours * 50 + basic salary)
Assignment-15 Pointer	
167	Find sum of two integers
168	Find area of Rectangle
169	Find area of circle
170	Find square of given number
171	Find Simple interest
172	Find Diameter
173	Find sum of 1 to n number
174	Find Factorial of given number
175	Print one dim array
176	Find sum of array elements
177	Find maximum and minimum element of array
178	Find sum of two integers using function and pointer
179	Find area of Rectangle using function and pointer
180	Find area of Circle using function and pointer
181	Find square of given number using function and pointer
182	Find Simple Interest using function and pointer
183	Create structure of student (rno, name, std, per) using pointer
184	Create structure of employee (eno,ename,salary,comm,net). Calculate net as salary+ comm using pointer
185	Create Structure of item (ino,iname,price,qty,total). Calculate total as price*qty Use array of structure to input 3 records using pointer
186	Create Structure of books(bno,bname,author,price,publisher). Use array of structure to take 5 records using pointer
187	Create Structure for student (rno, name, std, mark 1, mark 2, mark3, total, per).Find total and per using pointer
Assignment-16 File Management	
188	Write and Read single character from file using getc() and putc().
189	Write and Read integer from file using getw() and putw().
190	Write and read your name in file using getc() and putc().
191	Write and read 10 integer in file using getw() and putw().
192	Write a program to accept 10 numbers and store in a file called all.txt. Check whether the numbers are even or odd. Put the even numbers in even.txt and odd in odd.txt. (Using getw() and putw())
193	Write a program to accept details of student (roll_no, name, marks)and store this details in a file called Stud.txt using fprintf and fscanf
194	WAP to accept details of Item (ino, iname, price, qty, total). Calculate total as price* qty and store it in a file called emp.txt using fprintf and fscanf for 5 employees.

59	* *	60	* * * * * * * * * * * * * * *	61	1 12 123 1234 12345
62	1 22 333 4444 55555	63	1 21 321 4321 54321	64	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
65	5 44 333 2222 11111	66	1 00 111 0000 11111	67	1 10 101 1010 10101
68	@ ## @@@ #### @@@@@@	69	1 1 4 1 4 9 1 4 9 16 1 4 9 16 25	70	* * * * * * * * * * * * * * *
71	12345 1234 123 12 1	72	55555 4444 333 22 1	73	54321 5432 543 54 5
74	54321 4321 321 21 1	75	* * * * * * * * * * * * * * *	76	* * * * * * * * * * * * * * * * * * * *
77	* * * * * * * * * * * * * * *	78	* * * * * * * * * * * * * * *	79	1 2 2 3 3 3 4 4 4 4 5 5 5 5 5
80	5 5 5 5 5 4 4 4 4 3 3 3 2 2 1	81	1 1 2 1 1 2 3 2 1 1 2 3 4 3 2 1 1 2 3 4 5 4 3 2 1	82	A B C D E F G H I J K L M N O
83	A A B A B C A B C D A B C D E	84	a c e g i k m o q s u w y a c	85	A B B C C C D D D D E E E E E
86	Z Y Y X X X W W W W V V V V V	87	A A A A A B B B B C C C D D E D D C C C B B B B A A A A A	88 89	@ @