

NORMAL PROGRAMS

1. Write a program to print "NICE" address.
 2. Write a program to print "STUDENT" address.
 3. Write a program to print "BIO-DATA".
 4. Write a program to print Students details.
 5. Write a program to print Items details.
 6. Write programs for the following outputs.

ASSIGNMENT STATEMENT

7. Write a program to assign 2 values. To find and print the addition of given two numbers.

Scanf() and printf()

8. Write a program to accept 2 numbers .To find and print the addition of the given 2 numbers.
 9. Write a program to accept 3 numbers .To find and print the multiplication of the given 3 numbers.
 10. Write a program to accept 2 numbers .To find and print the addition, subtraction, multiplication and division of the given 2 numbers.
 11. Write a program to accept length and breadth of a rectangle .To find and print the area & perimeter of the rectangle.
 12. Write a program to accept radius of the circle .To find and print the area and circumference of the circle.
 13. Write a program to accept radius of the triangle .To find and print the area of the triangle.
 14. Write a program to accept P, T and R values .To find and print Simple Interest.
 15. Write a program to accept P, R and N values .To find & print Compound Interest.
 16. Write a program to accept 'a, b and c' values of Quadratic equation .To find it's Discriminant.
 17. Write a program to accept current month reading and previous month reading .To find and print number of units consumed and bill amount(Per unit rate is 3.75).
 18. Write a program to accept purchase amount .To find and print discount and net amount.(Discount is 30% in purchase amount).
 19. Write a program to accept sale amount .To find and print commission and net sales (Commission is 40% in sales).
 20. Write a program to accept quantity and rate of an item .To find and print bill, discount and net sales (discount is 20% in bill).
 21. Write a program to accept basic salary of an employee .To find and print gross and net salary of an employee from the following allowances and deductions.

<u>Allowances</u>	<u>Deductions</u>
DA=40%	PF=30%
HRA=35%	LIC=20%
CCA=30%	TAX=15%

22. Write a program to accept 2 numbers . To interchange (Swap) and print the given 2 numbers (Apply 3 methods).

23. Write a program to accept 2 digit number. To find and print the sum of individual digits of given number.
24. Write a program to accept 3 digit number. To find and print the sum of the individual digits of the given number.
25. Write a program to accept 4 digit number. To find and print the sum of individual digits of given number.
26. Write a program to accept 2 digit number. To find and print the reverse of the given number.
27. Write a program to accept 3 digit number. To find and print the reverse of given number.
28. Write a program to accept 4 digit number. To find and print the reverse of given number.
29. Write a program to accept employee basic salary. To increase salary by 30% and print it.

Simple If

30. Write a 'c' program to take 2 numbers and print whether they are equal or not.
31. Write a program to accept a person age. To find and print whether the given person is retired or not.
32. Write a program to accept a person age. To check and print whether the given person is eligible to vote or not.
33. Write a program to accept any number. To check and print the given number is even or odd.
34. Write a program to accept an year. To check and print whether the given number is leap year or not.
35. Write a program to accept 2 numbers. To check and print the biggest of 2 numbers.
36. Write a program to accept 2 numbers. To check and print the smallest of 2 numbers.
37. Write a program to accept 3 digit number. To check and print whether the given number is a palindrome or not.
38. Write a program to accept a 4 digit number. To check and print whether the number is an Armstrong number or not.
39. Write a program to accept any 3 digit number. To check and print whether the number is an Armstrong number or not.
40. Write a program to accept the price and quantity of product. To find and print the discount, bill and net bill.

<u>Bill</u>	<u>Discount</u>
<= 500	3%
>500	7%

41. Write a program to accept the current month reading and previous month reading. To find and print the no.of units and bill.

<u>NU</u>	<u>Charge</u>
>150	5.25
<=150	3.50

42. Write a program to accept 3 numbers. To find and print the biggest of 2 numbers.
43. Write a program to accept a person age. Print the type of age from the following conditions.

<u>Age</u>	<u>Type</u>
1 – 2	Child age
13 – 19	Teen age
20 – 35	Young age
36 – 50	Middle age
>50	Old age

44. Write a program to accept a number. Print the number of digits from the given number

<u>Number</u>	<u>Count</u>
0 – 9	one
10 – 99	Two
100 – 999	Three
1000 – 9999	Four
>=10000	Large

If – else

45. Write a program to accept any number. Print whether the number is an even or odd.

46. Write a program to accept an year. Print whether the year is a leap year or not.

47. Write a program to accept the age of a person. Print whether the person has right to vote or not.

48. Write a program to accept the age of a person. Print whether the given person is retired or not.

49. Write a program to accept the salary, sales of a sales person. Print the commission and gross.

<u>Sales</u>	<u>Commission</u>
>5000	7%
<=5000	3%

50. Write a program to accept the salary of an employee. To find and printhra, da and the gross.

<u>Sal</u>	<u>Hra</u>	<u>Da</u>
5000↑	15%	17%
5000↓=	12%	13%

51. Write a program to accept the marks of a student in 3 subjects. Print whether the student is pass or fail.

52. Write a program to accept the 4 digit number. Print whether the number is a polyndrome or not.

53. Write a program to accept any number. Print whether the number is a single digit or not.

54. Write a program to accept an alphabet. Print whether the given alphabet is vowel or Consonant.

55. Write a program to accept the gender and age of a person. Print whether the given person is major or minor.

56. Write a program to accept the gender, age and % of marks. Print whether the person is selected or not.

57. Write a program to accept any number. Print whether the number is a two digit number or not.

Nested if – else

Syntax – 1

58. Write a program to accept any number. Print whether the number is +ve or -ve or zero

59. Write a program to accept 3 numbers. Print the biggest of 2 numbers.

60. Write a program to accept average marks of a student and print the result.

<u>Avg</u>	<u>Result</u>
>=60	First
50 – 59	Second
<50	Third

61. Write a program to accept a person age. Print the type of age from the following conditions.

<u>Age</u>	<u>Type</u>
1 – 12	Child age
13 – 19	Teen age
20 – 35	Young age
36 – 50	Middle age
>50	Old age

62. Write a program to accept a number. Print the number of digits from the given number.

<u>n</u>	<u>Count</u>
0 – 9	Single digit
10 – 99	Two digit
100 – 999	Three digit
1000 – 9999	four digit
>=10000	Large digit

63. Write a program to accept current month reading and previous month reading. To find and print number of units consumed and bill amount.

<u>Nu</u>	<u>Rate</u>
0 – 49	2.75
50 – 99	3.75
100 – 149	4.75
150 – 199	5.75
>=200	6.75

64. Write a program to accept purchase amount. To find and print discount and purchase amount from the following conditions.

<u>Pa</u>	<u>Discount</u>
<=5000	5%
5001-10000	10%
10001-15000	15%
15001-20000	20%
20001-30000	30%
>30000	40%

65. Write a program to accept average marks of a student to print the grade from the following conditions.

<u>Avg</u>	<u>Grade</u>
80-100	Honors
60-79	First division
50-59	Second division
40-49	Third division
0-39	Fail

Syntax-2

66. Write a program to accept 6 subject marks of a ssc student to find and print total average and result.

Syntax-3

67. Write a program to accept 3 numbers to find and print the biggest of the three numbers.

68. Write a program to accept gender and age of a person to check and print whether the given person(He or She) is major or minor.

<u>Gender</u>	<u>Age</u>
M	>=21
	He is major
	He is minor

F

>=18

She is major

She is minor

69. Write a program to accept gender, age and marks of a student to check and print whether the given person (He or She) is eligible to job or not.

GenderAgeMarks

M

>=21

T

T

He is selected

F

F

He is not selected

F

>=18

T

T

She is selected

F

F

She is not selected

70. Write a program to accept 3 numbers and print them in descending order.

71. Write a program to accept employee basic salary to find and print gross salary and net salary of an employee from the following allowances and deductions.

<u>Bs</u>	<u>da</u>	<u>hra</u>	<u>cca</u>	<u>ta</u>	<u>pf</u>	<u>lic</u>	<u>tax</u>
>40000	40%	35%	30%	25%	20%	15%	12%
30001-40000	35%	30%	25%	20%	15%	12%	10%
20001-30000	30%	25%	20%	15%	12%	10%	8%
10001-20000	25%	20%	15%	12%	10%	8%	6%
<=10000	20%	15%	12%	10%	8%	6%	4%

$$\text{Gross} = \text{bs} + \text{allowances}(\text{da} + \text{hra} + \text{cca} + \text{ta})$$

$$\text{Net} = \text{Gross} - \text{deductions}(\text{pf} + \text{lic} + \text{tax})$$

Else if ladder statement

72. Write a program to accept a number and print the corresponding week.

73. Write a program to accept a sales to find and print commission and net sales of a company.

<u>Sales</u>	<u>comm</u>
<=5000	5%
5001-10000	10%
10001-15000	15%
15001-20000	20%
>20000	25%

74. Write a program to accept consumer number, consumer type, CMR and PMR values to find and print number of units consumed and bill amount.

<u>Consumer type</u>	<u>nu</u>	<u>Rate</u>	
Commercial	<=50	3.75	Service charges :20/- Fuel charges :10/-
	>50	6.25	
Domestic	<=49	2.25	Service charges :20/- Fuel charges :10/-
	50-99	3.25	
	100-149	4.25	
	150-199	5.25	
Agriculture	>=200	6.25	
	<50	0	

Switch case

75. Write a program to accept and print the corresponding week.
76. Write a program to accept an alphabet to print whether the given alphabet is an alphabet or consonant.
77. Write a program to accept the first letter of the color and print the corresponding name of the color.

B(or)b-Blue

R(or)r-Red

G(or)g-Green

Others-invalid color

78. Write a program to accept a digit and print the corresponding word.

Digit

0

1

2

3

4

5

6

7

8

9

Word

Zero

One

Two

Three

Nine

79. Write a program to accept average marks of a student to print the corresponding grades.

Avg

80-100

60-79

50-59

40-49

0-39

Grade

Honors

First division

Second division

Third division

Fail

80. Write a program to accept 2 numbers to perform arithmetic operations according to user choice.

Enter two numbers

A

20

B

10

1.Addition

2.Subtraction

3.Multiplication

4.Division

Enter your choice

choice

1

Output: Addition is 30

81. Write a program to accept four digit number to find and print the individual digits.

Eg:-786:-Seven Eight Six

456:-Four Five Six

Conditional or tertiary operator

82. Write a program to accept 2 numbers to find and print the biggest of two numbers.
83. Write a program to accept a number to print whether the given number is even or odd.
84. Write a program to accept three numbers to find and print the biggest of the three numbers.

Go to x

85. Write a program to print natural numbers from 1 to 5.

86. Write a program to print natural numbers from 10 to 20.

88. Write a program to print even numbers from 1 to n.
89. Write a program to print odd numbers from 1 to n.
90. Write a program to print natural numbers from 5 to 1.
91. Write a program to print even numbers from 20 to 10;
92. Write a program to find & print the sum of 1 to n natural numbers.
93. Write a program to find & print the sum of 1 to n even numbers.

Go to xy

94. Write a program to move the required string or character; etc..;
 - a) Left to right
 - b) Top to Bottom
 - c) Right to left
 - d) Bottom to top
95. Write a program to print Elical order.
96. Write a program to print the permutations of the given numbers.
97. Write a program to print tables from 1 to 20.(1-10 at the top and 11-20 at the bottom).

While

98. Write a program to print "NICE" 10 times.
99. Write a program to print natural numbers from 1 to 5.
100. Write a program to print even numbers from 1 to 20.
101. Write a program to print odd numbers from 20 to 30.
102. Write a program to print natural numbers from 1 to n.
103. Write a program to print even numbers from 1 to n.
104. Write a program to print odd numbers from 1 to n.
105. Write a program to print natural numbers from 5 to 1 .
106. Write a program to print even numbers from 20 to 10.
107. Write a program to print odd numbers from 50 to 40.
108. Write a program to find and print the sum of 1 to n natural numbers.
109. Write a program to find and print the sum of 1 to n even numbers.
110. Write a program to find and print the sum of 1 to n odd numbers.
111. Write a program to find and print the multiplication of 1 to n natural numbers.(Factorial)
112. Write a program to accept a number and print the mathematical table of the given number.

<u>n</u>	<u>Output</u>
9	$9 * 1 = 9$

$9 * 20 = 180$

113. Write a program to accept a number and print the factors of the given number.
114. Write a program to accept a number to count and print the factors of the given number.
115. Write a program to accept a number to check and print the given number is prime number or not.
116. Write a program to accept a number to check and print the given number is perfect number or not.
117. Write a program to accept a number to find and print the sum of the individual digits of the given number.
118. Write a program to accept a number to find and print the reverse of the given number.

119. Write a program to accept a number to check and print the given number is palindrome or not.
120. Write a program to accept a number to check and print the given number is Armstrong number or not.
121. Write a program to print GCD of two numbers.

do-while

122. Write a program to accept a number to check and print whether the given number is prime or not by using repetition using the choice(y/n).

For

123. Write a program to print natural numbers from 1 to 5.
124. Write a program to print even numbers from 10 to 20.
125. Write a program to print odd numbers from 30 to 40.
126. Write a program to print natural numbers from 5 to 1.
127. Write a program to print even numbers from 20 to 10.
128. Write a program to print odd numbers from 30 to 20.
129. Write a program to print natural numbers from 1 to n.
130. Write a program to print even numbers from 1 to n.
131. Write a program to print odd numbers from 1 to n.
132. Write a program to find and print the sum and average of 1 to n natural numbers.
133. Write a program to find and print the sum of 1 to n even numbers.
134. Write a program to find and print the sum of 1 to n odd numbers.
135. Write a program to find and print the multiplication of 1 to n natural numbers.(Factorial of n)
136. Write a program to accept a number to find and print the factorial of the given number.
137. Write a program to accept a number and print the mathematical table of the given number.

<u>n</u>	<u>Output</u>
9	9*1=9
	9*2=18
	:
	:
	9*20=180

138. Write a program to find the value of m^n value.
139. Write a program to accept a number and print the factors of the given number.
140. Write a program to accept a number to count and print the factors of the given number.
141. Write a program to accept a number to check and print whether the given number is prime number or not.
142. Write a program to accept a number to print the sum of the factors of the given number.
143. Write a program to accept a number to check and print the given number is perfect number or not.
144. Write a program to accept a number to find and print the sum of the individual digits of the given number.
145. Write a program to accept a number to find and print the reverse of the given number.
146. Write a program to accept a number to check and print the given number is palindrome or not.
147. Write a program to accept a number to check and print the given number is Armstrong

number or not.

148. Write the programs for the following outputs.

1) ~~1 2 3 4~~

2) ~~1 2 3 4 5~~

3) * * * * *

4) 1 1 1 1 1

5) 5 5 5 5 5

1 2 3 4

1 2 3 4 5

* * * * *

2 2 2 2 2

4 4 4 4 4

1 2 3 4

1 2 3 4 5

* * * * *

3 3 3 3 3

3 3 3 3 3

1 2 3 4

1 2 3 4 5

* * * * *

4 4 4 4 4

2 2 2 2 2

5 5 5 5 5

1 1 1 1 1

6) 1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

7) 1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

8) 1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

9) 5 4 3 2 1

5 4 3 2

5 4 3

5 4

5

10) 1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

11) 5 5 5 5 5

4 4 4 4

3 3 3

2 2

1

12) 1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

13) 1

1 2 3

1 2 3 4 5

1 2 3 4 5 6 7

1 2 3 4 5 6 7 8 9

14) 1

3 2 1

5 4 3 2 1

7 6 5 4 3 2 1

9 8 7 6 5 4 3 2 1

15) *

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16) * * * * *

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*

17) 1

1 0

1 0 1

1 0 1 0

1 0 1 0 1

18) 1

0 1

1 0 1

0 1 0 1

1 0 1 0 1

19) 1

1 2

2 3 4

4 5 6 7

7 8 9 1 0 1 1

20)

1

1 2

1 2 3

1 2 3 4

1 2 3 4 5

21) 1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

22) 1

2 2

3 3 3

4 4 4 4

5 5 5 5 5

23) 1

2 3

3 4 5

4 5 6 7

5 6 7 8 9

24)

*

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25) 1 2 3 4 5

1 2 3 4

4 4 4 4

1 2 3

3 3 3

1 2

1

27) 1

28) 1

29)

*

30)

1 2 3 4 5 4 3 2 1

1 2 3 4 4 3 2 1

1 2 3 3 2 1

1 2 2 1

1 1 1

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1 2 3 4 4 3 2 1

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31) 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

32) 1
2 1 2
3 2 1 2 3
4 3 2 1 2 3 4
5 4 3 2 1 2 3 4 5

33) 1
1 2 3
1 2 3 4 5
1 2 3 4 5 6 7
1 2 3 4 5 6 7 8 9

34) Pascal's Triangle
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1

35) Reserved pyramid of digits
7 8 9 10 11 12 13 12 11 10 9 8 7
6 7 8 9 10 11 10 9 8 7 6
5 6 7 8 9 8 7 6 5
4 5 6 7 6 5 4
3 4 5 4 3
2 3 2
1

149. Find sum of the following series.

1) $1! + 2! + 3! + 4! + 5! + \dots + n!$

2) $2! + 4! + 6! + 8! + 10! + \dots + n!$

3) $1! + 3! + 5! + 7! + \dots + n!$

4) $\frac{1}{1!} + \frac{2}{2!} + \frac{3}{3!} + \dots + \frac{n}{n!}$

5) $\frac{1}{2!} + \frac{2}{3!} + \frac{3}{4!} + \dots + \frac{n}{(n+1)!}$

6) $\frac{1}{1!} + \frac{2}{3!} + \frac{3}{5!} + \dots + \frac{n}{(2n-1)!}$

7) $\frac{x^1}{1!} + \frac{x^2}{2!} + \frac{x^3}{3!} + \frac{x^4}{4!} + \dots + \frac{x^n}{n!}$

8) $1 + \frac{x^1}{1!} + \frac{x^2}{2!} + \frac{x^3}{3!} + \frac{x^4}{4!} + \dots + \frac{x^n}{(2n-1)!}$

9) $1 - \frac{x^1}{1!} + \frac{x^2}{2!} - \frac{x^3}{3!} + \frac{x^4}{4!} + \dots + (-1)^n \frac{x^n}{n!}$

150. Write a program to print prime numbers from 1 to n.

151. Write a program to print perfect numbers from 1 to n.

152. Write a program to print palindromes from 1 to n.
153. Write a program to print Armstrong numbers from 1 to n.
154. Write a program to print alphabets from A to Z.
155. Write a program to print alphabets from a to z.
156. Write a program to print alphabets from A to Z along with ASCII values.
157. Write a program to print alphabets from a to z along with ASCII values.
158. Write a program to print ASCII values(0-255) along with their symbols.
159. Write a program to accept a number to check and print whether the given number is strong number or not.
160. Write a program to accept a number to convert the given number in to single digit.(Lucky number) Write a program to accept a number to check and print whether the given number is automorphic number or not.
161. Write a program to accept a number to check and print whether the given number is magic number or not.
162. Write a program to print magic numbers from 1 to n.
163. Write a program to count and print number of 9's from 1 to 100.
164. Write a program to print prime numbers between 'm' to 'n'.
165. Write a program to print Fibonacci series up to n terms or n^{th} range.
166. Write a program to accept a decimal number and print it's equivalent binary value.
167. Write a program to accept a binary number and print it's equivalent decimal number.
168. Write a program to accept a decimal number to find and print it's equivalent octal value and hexa decimal value.
169. Write a program to accept a number and print the words of it's individual digits in the following manner.
Eg:-786:-Seven Eight Six
170. Write a program to accept a number to find and print the maximum digit from the given number.
171. Write a program to accept a number to find and print the minimum digit from the given number.
172. Write a program to accept a number and a digit to check and print the given digit is found or not found from the given number. (Sorting)
173. Write a program to print squares of given numbers.

<u>n</u>	<u>Square</u>
1	1
2	4
3	9
4	16
.	.
.	.
.	.
n	n^2

174. Write a program to display numbers from 1 to 9 and their square root.

<u>n</u>	<u>Square root</u>
1	1
2	1.414
:	:

175. Write a program to display numbers the numbers in increasing and decreasing order using infinite for loop.
176. Write a program to accept a number to check and print whether the given number is prime or not using different techniques.
177. Write a program to accept n numbers to count and print no.of evens and no.of odd's from the given elements.
178. Write a program to accept n values to count and print no. of 100's from the given list.
179. Write a program to accept n values to find and print the maximum and minimum from the given list.
180. Write a program to accept a letter to print the letters up to A and up to Z.
181. Write a program to accept n and r values to find and print the value of "c, value.
182. Write a program to accept an integer (5678) and print in the following manner.

5678

678

78

8

189. Write a program to print numbers between 1 to 100 not divisible by 2, 3 and 5.

190. Write a program to find the prefect squares from 1 to n.

1 4 9 16 25 36 49 _____;

- ~~191.~~ Write a program to find the largest of the five numbers and display it.

- ~~192.~~ Write a program to find the smallest of the five numbers and display it.

193. Write a program to print the five entered numbers in the ascending order.

194. Write a program to perform multiplication of two numbers by using repetitive addition.

195. Write a program to enter a character and display its position in the alphabets.

196. Write a program to convert decimal number in to hexadecimal number.

197. Write a program to find and print the perfect cubes up to given numbers.

<u>n</u>	<u>cube</u>
1	1
2	8
3	27
4	64
:	:

198. Write a program to print the even numbers from 1 to 21 using break and infinite for loop.

199. Write a program to stimulate a digital clock.

200. Write a program to read an integer from the key board and sort odd & even numbers to add sum of odd & even numbers separately & display the results.

Enter a number: 10

<u>ODD</u>	<u>EVEN</u>
1	2
3	4
5	6
7	8
9	10
-----	-----
25	30
-----	-----

201. Write a program to accept n students and their corresponding subject marks to find and print their total and average.
202. Write a program to read age of 100 persons and count the no. of persons in the age group of 50-60 by using for and continue.
203. Write a program to accept n values (+ve's & -ve's) to sum and print the +ve and -ve values separately.

Continue and break statements

204. Write a program to print natural numbers from 1 to 10 except 5.
205. Write a program to print natural numbers from 10 to 20 except 5 and 10.

Switch case and for loops

206. Write a program to accept a number to check and print whether the given number is Prime or not, Palindrome or not, Perfect number or not, Armstrong or not, Strong or not, Automorphic or not, magic number or not.
207. Write a program to print the following by using the menu.
1. 1 to n prime numbers.
 2. 1 to n perfect numbers.
 3. 1 to n Armstrong numbers.
 4. 1 to n Automorphic numbers.
 5. 1 to n strong numbers.
 6. 1 to n palindromes.

Arrays

Single Dimensional Arrays

208. Initialisation and printing of Single dimensional arrays.
209. Write a program to accept 2 numbers to find and print the sum , subtraction and product of them.
210. Write a program to accept 5 integers in to an array ,print all the elements.
211. Write a program to accept n elements in to an array,print the elements of array in reverse order.
212. Write a program to accept n elements in to an array,print the sum of even ,odd elements separately.
213. Write a program to accept n elements in to an array to count and print the no.of evens and odd's from the given array.
214. Write a program to accept n elements in to an array to count and print the no.of +ve's and -ve's from the given array.
215. Write a program to accept n elements in to an array and print the maximum element of the given array.
216. Write a program to accept n elements in to an array , print the maximum and minimum element of the given array.
217. Write a program to accept n elements in to an array to append (adding at end) a new element &print the resultant array.
218. Write a program to accept n elements in to an array ,print an element at required position.
219. Write a program to accept n elements in to an array ,modify an element at the required position.
220. Write a program to accept n elements in to an array ,delete an element at the required position.

221. Write a program to accept n elements in to an array ,reverse the elements with in the array and print the resultant array.
222. Write a program to accept n elements in to an array.Find an element with in the given array.
223. Write a program to accept n elements in to an array.Print whether the given array is - palindrome or not.
224. Write a program to accept n elements in to two vectors(arrays) & print the sum of them.
225. Write a program to accept n elements in to an array.Arrange all the elements of array in ascending order &print the resultant array.
226. Write a program to accept n elements in to an array.Arrange all the elements of array in descending order &print the resultant array.
227. Write a program to accept 2 arrays with different sizes to concatenate and print the given two arrays.
228. Write a program to accept 2 arrays with different sizes to merge and print the given two arrays.
229. Write a program to accept n elements in to an array.Delete all the duplicate elements and print the resultant array.
230. Write a program to print Fibonacci series up to n terms using an array.
231. Write a program to accept a decimal number and print it's equivalent binary value using arrays.
232. Write a program to accept n elements in to an array. Print prime numbers from the given array.
234. 1)Write a program to accept n elements in to an array. Print palindrome numbers from the given array.
 2) Write a program to accept n elements in to an array. To find and print the standard deviation of the given numbers.
235. Write a program to accept n elements in to an array & Print them in the following manner.

a[0]	a[1]	a[2]	a[3]	Output
10	5	6	8	a[0]=10 a[1]=5 a[2]=6 a[3]=8

236. Write a program to accept various radius of the circles and print the corresponding area of the circles.

r[0]	r[1]	r[2]	r[3]	Radius	Area
10.5	6.7	3.9	20.0	10.5	-----
				6.7	-----
				3.9	-----
				20.0	-----

237. Write a program to accept 2 arrays with different sizes & print them in the following manner.

2
3
4

6
7
8
9

1
2
3
4
5
6

7
8
9

Output: 2 3 4 6 7 8 9

Output: 1 2 3 4 5 6 7 8 9

238. Write a program to accept n elements in to an array & print the factorial of the given numbers.

0	1	2	3
a	5	4	3

n	output	factorial
5		120
4		24
3		6
2		2

Two Dimensional arrays

239. Write a program to accept a 3x5 matrix and print the matrix as it is.

240. Write a program to accept a mxn matrix and print the matrix as it is.

241. Write a program to accept a mxn matrix and print the sum of all the element.

242. Write a program to accept a mxn matrix and print the transpose of the matrix.

243. Write a program to accept a mxn matrix and print the sum of each row.

245. Write a program to accept a mxn matrix and print the sum of each column.

246. Write a program to accept a mxn matrix .Solve the sum of rows and columns in the same matrix & print the resultant matrix.

247. Write a program to accept a square matrix of nxn elements & print all the diagonal elements.

248. Write a program to accept a square matrix of nxn elements & print the trace of the matrix.

249. Write a program to accept a square matrix of nxn elements & print the upper diagonal elements of the given matrix.

250. Write a program to accept a square matrix of nxn elements & print the lower diagonal elements of the given matrix.

251. Write a program to accept a square matrix of nxn elements & print the norm of the matrix.

252. Write a program to accept a square matrix of nxn elements & print all the reverse diagonal elements.

253. Write a program to accept a mxn matrix and copy the transpose of the matrix on to another matrix & print the resultant matrix.

254. Write a program to accept two matrices of same size and copy the addition of two matrices on to another matrix & print the resultant matrix.

255. Write a program to accept two matrices of same size and copy the product of two matrices on to another matrix & print the resultant matrix.
256. Write a program to accept two matrices A(mx n) & B(p x q). To find and print the multiplication of two matrices.
257. Write a program to accept a matrix of mxn elements. To count and print no.of evens and odd's from the given matrix.
258. Write a program to accept a matrix of mxn elements. To count and print no.of +ve,s , -ve,s and zeroes from the given matrix.
259. 1) Write a program to accept a square matrix of nxn elements. To print the given square matrix in elical order.
2) Write a program to accept a square matrix of nxn elements to find and print the inverse of the given matrix.

Functions

260. Write a program to print your address using the functions address.
261. Write a program to take 2 numbers. Print the sum, subtraction, product & division using the function arithmetic.
262. Write a program to accept the length ,breadth of a rectangle & print the area, perimeter.
263. Write a program to accept 3 sides of a box & print it's volume.
264. Write a program to accept any number .Print the sum of all the digits using the function sum.
265. Write a program to accept the radius of a circle ,print the area and circumference using two functions area and circumference.
266. Write a program to accept any number .Print the maximum and minimum digits of the number using the functions maximum and minimum.
267. Write a program to accept any number .Print whether the given number is strong number or not.
268. Write a program to accept any number .Print whether the given number is palindrome or not.
269. Write a program to accept any number .Print whether the given number is a prime or not.
270. Write a program to accept the base and exponent. Print the result of expression.
271. Write a program to Send a single dimensional array as an argument to function.
272. Write a program to Send a double dimensional array as an argument to function.
273. Write a program to accept a square matrix of nxn elements & print the trace of the matrix using the function trace.
274. Write a program to accept n elements in to an array. Arrange all the elements of array in ascending order & print the resultant array using the function sort.

Recursion

275. Write a program to print the sum of natural numbers from 1 to n.
276. Write a program to accept any number & print it's factorial.
277. Write a program to accept any number to find & print the sum of the individual digits of the given number.
278. Write a program to accept m and n values to find and print the m^n value.
279. Write a program to accept 3 numbers & print them in the reverse order as the user entered.
280. Write a program to print Fibonacci series up to n terms or n^{th} range.
281. Write a program to accept a number & print the reverse of the given number.

Nested Functions

280. Write a program to accept two numbers .To find and print the biggest of the given two numbers.

281. Write a program to accept a number to check and print whether the given number is prime number or not.
282. Write a program to accept a number to check and print whether the given number is perfect number or not.
283. Write a program to accept a number to check and print whether the given number is strong number or not.
284. Write the programs to print the following outputs.

i. 1 2 3 4	ii. 1 1 2 3 4	iii. * *** ***** ***** **** *** *	iv. 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5
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285. Write a program to find and print the sum of the following series.

1) $1! + 2! + 3! + 4! + 5! + \dots + n!$.

2) $2! + 4! + 6! + 8! + 10! + \dots + n!$.

3) $\frac{x^1}{1!} + \frac{x^2}{2!} + \frac{x^3}{3!} + \frac{x^4}{4!} + \dots + \frac{x^n}{n!}$

285. Write a program to print prime numbers from 1 to n.

286. Write a program to print palindromes from 1 to n.

287. Write a program to print Armstrong numbers from 1 to n.

Functions with single dimensional arrays

288. Write a program to accept single dimensional array of n elements .To find and print the sum & average of the given array.
289. Write a program to accept single dimensional array of n elements .To find and print the maximum & minimum element of the given array.
290. Write a program to accept single dimensional array of n elements and accept a key element to search and print whether the given key word is found or not with in the given array.
291. Write a program to accept single dimensional array of n elements to perform appending, deleting, inserting and searching operations on it.
292. Write a program to accept single dimensional array of n elements. To arrange the given elements in ascending order.

Functions with double dimensional arrays

293. Write a program to accept a square matrix of nxn elements & print the trace of the matrix.
294. Write a program to accept two matrices A(mx n) & B(p x q).To find and print the multiplication of two matrices.
295. Write a program to accept a square matrix of nxn elements & print the norm of the matrix.
296. Write a program to accept a rxn matrix and print the sum of all the elements and print their average.

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297. Write a program to accept a matrix of $n \times n$ elements to check whether the given matrix is symmetric or not.
 298. Write a program to accept a matrix of $n \times n$ elements to check whether the given matrix is Skew symmetric or not.
 299. Write a program to accept a $m \times n$ matrix and print the transpose of the matrix.
 300. Write a program to accept a square matrix of $n \times n$ elements & print all the reverse diagonal elements.