Programs | Class Room Assignment-5

1. WAP to print a statement 1000 number of times.
2. WAP to print N natural number.
3. WAP to find out the sum of N natural number.
4. WAP to print table of a number.
5. WAP to find out the factorial of a number.
6. WAP to find out the factors of a number.
7. WAP to check whether entered number is prime or not.
8. WAP to print Fibonacci series.
9. WAP to print N even numbers.
10. WAP to print Even numbers upto N.
11. WAP to print N odd numbers.
12. WAP to print Odd numbers upto N.
13. WAP to print N natural numbers in reverse order
14. WAP to print alphabets in uppercase
15. WAP to print alphabets in lowercase
16. …... -6 -3 0 3 6 9 ……. n terms
17. 1 2 4 7 11 16 …… n terms
18. 1 2 2 4 8 32 …… n terms
19. 1 + 1/2 + 1/3 + 1/4 + 1/5 …. n terms (find out sum)
20. 0 7 14 21 28 35 …..
21. 1, 4, 9, 16, 25 ….
22. 1 8 27 64 125 …..
23. 1 9 25 49 81 ….
24. 0 4 16 36 64 ….. 1 2 3 4 5 6 7 8
25. 1 27 125 343 …………
26. 0 8 64 216 …………
27. \* # \* # \* # \* # \* …….
28. 1 2 3 4 Hello 6 7 8 9 Hello 11 12 ….
29. 1 11 111 1111 11111 ……
30. 1+11+111+1111+11111+….
31. 9 99 999 9999 99999 …….
32. A b C d E f G h …… n terms
33. WAP to print Alphabets in reversing order.
34. WAP to check whether entered number is perfect or not
35. WAP to count number of digits
36. WAP to reverse a number
37. WAP to check whether entered number is palindrome or not
38. WAP to check whether entered number is Armstrong or not
39. WAP to check whether entered number is strong or not
40. WAP to count no. Of even and odd digits in a number
41. WAP to find out LCM of a number
42. WAP to find out HCF of a number
43. WAP to convert binary number into decimal number
44. WAP to interchange first and last digit of a number
45. WAP to find out the sum of all the digits of a number
46. WAP to find out the sum of first and last digit of a user entered number
47. WAP to print tables of all the numbers between two entered numbers
48. WAP to find out the factors of all the numbers between two entered numbers
49. WAP to find out all the perfect numbers between two entered numbers
50. WAP to find out all the palindrome numbers between two entered numbers
51. WAP to reverse all the numbers between two entered numbers
52. WAP to find out all the Armstrong numbers between two entered numbers
53. WAP to print all the strong numbers between two entered numbers
54. WAP to print all the even numbers between two entered numbers
55. WAP to print all the odd numbers between two entered numbers
56. WAP to print factorial of all the numbers between two entered numbers
57. WAP to print all the prime numbers between two entered numbers
58. WAP to convert decimal number into binary number without using array
59. WAP to find out the sum of all integer between 100 and 200 which are divisible by 9
60. WAP to print Square, Cube and Square Root of all numbers from 1 to N
61. WAP to find out all the leap years between two entered years
62. Draw patterns

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| --- | --- | --- | --- | --- | --- | --- |
| \*\*\*\*\*  1 | \*  \*  \*  \*  \*  2 | \*  \*  \*  \*  \*  3 | \*\*\*\*\*  \*\*\*\*\*  \*\*\*\*\*  \*\*\*\*\*  \*\*\*\*\*  4 | 12345  12345  12345  12345  12345  5 | 11111  22222  33333  44444  55555 | 1  00  111  0000  11111  6 |
| \*  \*\*  \*\*\*  \*\*\*\*  \*\*\*\*\*  7 | 1  12  123  1234  12345  8 | 1  22  333  4444  55555  9 | A  AB  ABC  ABCD  ABCDE  10 | a  ab  abc  abcd  abcde  11 | 1  01  101  0101  10101  12 | 1  23  456  78910  13 |
| A  BB  CCC  DDDD  EEEEE  14 | a  bc  def  ghij  klmno  15 | \*  ##  \*\*\*  ####  \*\*\*\*\*  16 | 1  10  101  1010  10101  17 | \*  \* \*  \* \*  \* \*  \* \* \* \* \*  18 | 1  12  1 3  1 4  12345  19 | 1  22  3 3  4 4  55555  20 |
| A  AB  A C  A D  ABCDE 21 | A  bc  d f  g j  klmno  22 | \*  \*\*  \*@\*  \*@@\*  \* \* \* \* \*  23 | 5  54  543  5432  54321  24 | \*  \*#  \*#\*  \*#\*#  \*#\*#\*  25 | 1  10  1 1  1 0  10101  26 | 1  123  12345  1234567  123456789  27 |
| 1  222  33333  4444444  555555555  28 | \*\*\*\*\*  \*\*\*\*  \*\*\*  \*\*  \*  29 | 12345  1234  123  12  1  30 | 55555  4444  333  22  1  31 | ABCDE  ABCD  ABC  AB  A  32 | EEEEE  DDDD  CCC  BB  A  33 | \*\*\*\*\*  \* \*  \* \*  \*\*  \*  34 |
| ABCDE  A D  A C  AB  A  35 | \*\*\*\*\*  ####  \*\*\*  ##  \*  36 | 55555  4 4  3 3  22  1  37 | 123456  54321  1234  321  12  1 38 | \*  \*\*  \*\*\*\*  \*\*\*\*\*\*\*  \*\*\*\*\*\*\*\*\*\*\*  39 | A  BCD  EFGHI  JKLMNOP    40 | 54321  5432  543  54  5  41 |
| 1  12  123  1234  12345  42 | 1  22  333  4444  55555  43 | 5  44  333  2222  11111  44 | A  AB  ABC  ABCD  ABCDE  45 | 1  11  1\*1  1\*\*1  11111  46 | A  AB  A\_C  A\_\_D  ABCDE  47 | 1  10  101  1010  10101  48 |
| 12345  1234  123  12  1 | 55555  4444  333  22  1 | 12345  1\_\_4  1\_3  12  1 | 55555  4\_\_4  3\_3  22  1 | ABCDE  A\_\_D  A\_C  AB  A | ABCDE  ABCD  ABC  AB  A | 11111  2222  333  44  5 |
| \*  \* \*  \* \* \*  \* \* \* \*  \* \* \* \* \* | 1  1 2  1 2 3  1 2 3 4  1 2 3 4 5 | A  A B  A B C  A B C D  A B C D E | X  X X  X\_\_X  X\_\_\_\_X  X X X X X | \*  \*\*\*  \*\*\*\*\*  \*\*\*\*\*\*\*  \*\*\*\*\*\*\*\*\* | 1  123  12345  1234567  123456789 | A  ABC  ABCDE  ABCDEEF  ABCDEFGHI |
| \*  \*\_\*  \*\_\_\_\*  \*\_\_\_\_\_\*  \*\*\*\*\*\*\*\*\* | 1  1 1  1 2 1  1 3 3 1  1 4 6 4 1 | 1  1\*1  1\*\*\*1  1\*\*\*\*\*1  111111111 | A  B B  C C  D D  EEEEEEEEE | #  \*#\*  \*\*#\*\*  \*\*\*#\*\*\*  \*\*\*\*#\*\*\*\* | \*\*\*\*\*\*\*\*\*  \*\*\*\*\*\*\*  \*\*\*\*\*  \*\*\*  \* | \* \* \* \* \*  \* \* \* \*  \* \* \*  \* \*  \* |
| 123456789  1234567  12345  123  1 | A B C D E  A B C D  A B C  A B  A | 5 5 5 5 5  4 4 4 4  3 3 3  2 2  1 | 123456789  1 7  1 5  1 3  1 | 123456789  1+++++7  1+++5  1+3  1 | x  xx  xxx  xxxx  xxx  xx  x | 1  12  123  1234  123  12  1 |
| 1  12  123  1234  123  12  1 | 1  1 2  1 3  1 4  1 3  1 2  1 | \*  \*\_\*  \*\_\*\_\*  \*\_\*\_\*\_\*  \*\_\*\_\*  \*\_\*  \* | \*  \*\*\*  \*\*\*\*\*  \*\*\*\*\*\*\*  \*\*\*\*\*  \*\*\*  \* | \*  \*\_\*  \*\_\_\_\*  \*\_\_\_\_\_\*  \*\_\_\_\*  \*\_\*  \* |  | 1  212  32123  4321234  543212345 |

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| \* \*  \*\* \*\*  \*\*\* \*\*\*  \*\*\*\* \*\*\*\*  \*\*\*\*\* \*\*\*\*\* | \*\*\*\*\* \*\*\*\*\*  \*\*\*\* \*\*\*\*  \*\*\* \*\*\*  \*\* \*\*  \* \* | \*\*\*\*\* \*\*\*\*\*  \*\*\*\* \*\*\*\*  \*\*\* \*\*\*  \*\* \*\*  \* \*  \* \*  \*\* \*\*  \*\*\* \*\*\*  \*\*\*\* \*\*\*\*  \*\*\*\*\* \*\*\*\*\* | 1  2  3  4  123454321  4  3  2  1 | 1  101  10101  1010101  101010101 10101010101 | \* \*  \* \*  \* \*  \*  \* \*  \* \*  \* \* |

WAP to print all the alphabets in pattern according to the selected case using switch case.