Programs | Class Room Assignment-5
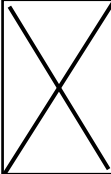
1) WAP to print a statement 1000 number of times.
2) WAP to print N natural number.
3) WAP to find out the sum of N natural number.
4) WAP to print table of a number.
5) WAP to find out the factorial of a number.
6) WAP to find out the factors of a number.
7) WAP to check whether entered number is prime 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

*****	*
	*
	*
	*
	*
		*
		 *
		  *
		   *
		    *
			*****
			*****
			*****
			*****
			*****
				12345
				12345
				12345
				12345
				12345
					11111
					22222
					33333
					44444
					55555
						1
						00
						111
						0000
						11111

* ** *** **** *****	1 12 123 1234 12345	1 22 333 4444 55555	A AB ABC ABCD ABCDE	a ab abc abcd abcde	1 01 101 0101 10101	1 23 456 78910
A BB CCC DDDD EEEEE	a bc def ghij klmno	* ## *** #### *****	1 10 101 1010 10101	* * * * * * * * * * * *	1 12 1 3 1 4 12345	1 22 3 3 4 4 55555
A AB A C A D ABCDE	a bc d f g j klmno	* ** *@* *@@* * * * * *	5 54 543 5432 54321	* *# *#* *#*# *#*#*	1 10 1 1 1 0 10101	1 123 12345 1234567 123456789
1 222 33333 4444444 555555555	***** **** *** ** *	12345 1234 123 12 1	55555 4444 333 22 1	ABCDE ABCD ABC AB A	EEEEE DDDD CCC BB A	***** * * * * ** *
ABCDE A D A C AB A	***** #### *** ## *	55555 4 4 3 3 22 1	123456 54321 1234 321 12 1	* ** **** ******* ***********	A BCD EFGHI JKLMNOP	54321 5432 543 54 5
1 12 123 1234 12345	1 22 333 4444 55555	5 44 333 2222 11111	A AB ABC ABCD ABCDE	1 11 1*1 1**1 11111	A AB A_C A__D ABCDE	1 10 101 1010 10101

Pattern 1:
```
12345
1234
123
12
1
```
Pattern 2:
```
55555
4444
333
22
1
```
Pattern 3:
```
12345
1__4
1_3
12
1
```
Pattern 4:
```
55555
4__4
3_3
22
1
```
Pattern 5:
```
ABCDE
A__D
A_C
AB
A
```
Pattern 6:
```
ABCDE
ABCD
ABC
AB
A
```
Pattern 7:
```
11111
2222
333
44
5
```

Pattern 8:
```
    *
   * *
  * * *
 * * * *
* * * * *
```
Pattern 9:
```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```
Pattern 10:
```
A
A B
A B C
A B C D
A B C D E
```
Pattern 11:
```
X
X X
X__X
X____X
X X X X X
```
Pattern 12:
```
    *
   ***
  *****
 *******
*********
```
Pattern 13:
```
1
123
12345
1234567
123456789
```
Pattern 14:
```
A
ABC
ABCDE
ABCDEEF
ABCDEFGHI
```

Pattern 15:
```
    *
   * *
  *_*
 *___*
*_____*
*********
```
Pattern 16:
```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
```
Pattern 17:
```
1
1*1
1***1
1*****1
111111111
```
Pattern 18:
```
A
B B
C   C
D     D
EEEEEEEEE
```
Pattern 19:
```
#
*#*
**#**
***#***
****#****
```
Pattern 20:
```
*********
*******
*****
***
*
```
Pattern 21:
```
* * * * *
* * * *
* * *
* *
*
```

Pattern 22:
```
123456789
1234567
12345
123
1
```
Pattern 23:
```
A B C D E
A B C D
A B C
A B
A
```
Pattern 24:
```
5 5 5 5 5
4 4 4 4
3 3 3
2 2
1
```
Pattern 25:
```
123456789
1       7
1     5
1   3
1
```
Pattern 26:
```
123456789
1+++++7
1+++5
1+3
1
```
Pattern 27:
```
x
xx
xxx
xxxx
xxx
xx
x
```
Pattern 28:
```
1
12
123
1234
123
12
1
```

Pattern 29:
```
1
12
123
1234
123
12
1
```
Pattern 30:
```
1
1 2
1   3
1     4
1   3
1 2
1
```
Pattern 31:
```
    *
   * *
  * _ *
 * * * *
  * * *
   * _
    *
```
Pattern 32:
```
   *
  ***
 *****
*******
 *****
  ***
   *
```
Pattern 33:
```
   *
  * *
 *   *
*     *
 *   *
  * *
   *
```
Pattern 34:
(crossed-out empty cell)
Pattern 35:
```
1
212
32123
4321234
543212345
```

Pattern 36:
```
*          *
**        **
***      ***
****    ****
********** 
```
Pattern 37:
```
***** *****
****   ****
***   ***
**     **
*       *
```
Pattern 38:
```
***** *****
****   ****
***   ***
**     **
*       *
*       *
**     **
***   ***
****   ****
***** *****
```
Pattern 39:
```
1
2
3
4
123454321
4
3
2
1
```
Pattern 40:
```
1
101
10101
1010101
101010101
10101010101
```
Pattern 41:
```
*          *
 *        *
   *   *
      *
   *   *
 *        *
*          *
```

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