

Lab Assignment III

JAVA

1. WAP to display the message “Java Programming” ten times using all available loops.
2. WAP to calculate factorial of a number using all available loops.
3. WAP that asks an integer n and calculate sum of all natural numbers from 1 to n using all available loops.
4. WAP to find sum of odd numbers and even numbers from 1 to 100.
5. WAP to display the sum and average of nth number input by the users.
6. WAP to read a number and display the multiplication table of that number.
7. WAP to read two numbers and calculate its power. (x^y)
8. WAP to read a number and check whether it is prime or not.
9. WAP to display all the prime numbers from 100 to 500.
10. WAP to input the number and find the sum of each digits.
11. WAP to read a number and find whether it is:
 - a. Armstrong or not
 - b. Palindrome or not
12. WAP to find all the Armstrong numbers between 1-300.
13. WAP to read the age of 10 persons and count the number of person of the age group 25-50.
14. WAP to find the leap year between 1800-2000.
15. WAP to find the Fibonacci series upto 10th term.
16. WAP to generate the series:
$$y = 1 + x + \frac{x^2}{2!} + \frac{x^3}{3!} + \dots + \frac{x^n}{n!}$$
17. WAP to find the number of and sum of all integers greater than 100 and less than 200 that are exactly divisible by 7 but no 5.
18. WAP to add first seven terms of the following series using for loop.
$$\frac{1}{1!} + \frac{2}{2!} + \frac{3}{3!} + \dots + \frac{n}{n!}$$
19. WAP to display the square of the integer from 1 – 100 except number divisible by 11.
20. WAP to print the following series:

a. 1	b. 1	c. 1	d. 1 2 3 4 5	e. 5 5 5 5 5
1 2	2 2	1 0	1 2 3 4	4 4 4 4
1 2 3	3 3 3	1 0 1	1 2 3	3 3 3
1 2 3 4	4 4 4 4	1 0 1 0	1 2	2 2
1 2 3 4 5	5 5 5 5 5	1 0 1 0 1	1	1
f. A	g. A B C D E	h. E E E E E	i. E E E E E	j. A
A B	A B C D	D D D D	D D D D	B B
A B C	A B C	C C C	C C C	C C C
A B C D	A B	B B	B B	D D D D
A B C D E	A	A	A	E E E E E