Marwadi Education Foundation’s Group of Institutions

Faculty of Computer Application (MCA)

Java – Lab Assignment - 1

**Basic Java Exercise**

1. Write a Java Program to display your biodata on the screen
2. Write a Java Program to enter two nos. and perform all 5 mathematical operations
3. Write a Java Program to enter Principle Amt., Rate of Interest and No. of Years and find Simple and Compound Interest.
4. Write a Java Program to enter amount in Rs. and find amount in Dollars (1 Dollar = 45.12 Rs.)
5. Write a Java Program to enter marks of 3 subjects and find total, percentage, result and class.
6. Write a Java program to enter two nos. and find maximum out of it.
7. Write a Java Program to enter three nos. and find maximum out of it.
8. Write a Java Program to enter 10 Nos. and find sum and average of it.
9. Write a Java Program to enter 10 Nos. and find Maximum out of it without using array.
10. Write java programs to Print following Loops :
    1. 1 2 3 4 …… 10
    2. 2 4 6 ……. 20
    3. 1 3 5 7 …… 19
    4. 100 99 98…… 90
    5. 200 198 196 …. 180
    6. 0 1 1 2 3 5 8 ….. n
    7. 1 + 2 + …… + 10 = ans
    8. ½ + 2/3 + ¾ …… + 9/10 = ans
    9. 1/10 + 2/20 ….. 10/100 = ans
11. Write a Java Program to enter a no. and find sum of its digits.
12. Write a Java Program to enter a no. and find its reverse
13. Write a Java Program to enter a no. and check it is palindrome or not?
14. Write a Java Program to enter a no. and check it is Armstrong or not?
15. Write a Java Program to enter a no. and check it is prime or not?
16. Write a Java Program to enter a no. and check it is KrishnaMurthy no. or not?
17. Write Java Programs to print following triangles.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1  12  123  1234  12345 | 1  21  321  4321  54321 | 5  45  345  2345  12345 | 12345  2345  345  45  5 | 5  54  543  5432  54321 |
| 12345  1234  123  12  1 | 54321  5432  543  54  5 | 54321  4321  321  21  1 | 1  23  456  78910  …… n | 1  10  101  1010  10101 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1  01  010  1010  10101 | 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 | \*  \*\*  \*\*\*  \*\*\*\*  \*\*\*\*\* | \*  \*\*  \*\*\*  \*\*\*\*  \*\*\*\*\* | \*  \*\*  \*\*\*  \*\*\*\*  \*\*\*\*\* |

1. Write a Java Program to enter 10 nos. and sort them in ascending order
2. Write a Java Program to enter 10 nos. and find max1,max2,max3 and min1,min2 and min3
3. Write a Java Program to perform 3x3 matrix multiplication.