Programming with Java

Exercise #2

Perform the following programs on the user inputted values. Don't forget to thow the IOException from main method.

1. Write a program to print the name entered by user.
2. Write a program to calculate Simple Interest where user entered Principal amount, time and rate of interest. Take all the inputs in a single line and split the data.
3. Write a program to calculate area of a rectangle where length and width of the rectangle is entered by user using Scanner class.
4. Write a program to calculate the area of a circle where the radius is accepted from user.
5. Write a program to swap two numbers entered by user by taking a temp variable.
6. Write a program to swap two numbers entered by user without a temp variable.
7. Write a program to calculate the BMI of a person. Hint: BMI = weight (KG)/ height^2 (meter).
8. Write a program to display the record of an employee consisting of Name, Age, Salary and Sex.
9. Write a program to calculate product of two integer numbers without using * operator.
10. Check a no. is even/odd using ternary operator.
11. Write a program to check the divisibility of a number by 7.
12. Write a program to check the even/odd.
13. Write a program to check +ve, -ve, zero.
14. Write a program to print the name of the day on the basis of numbers 1 – 7 using if-else-if ladder.
15. Write a program to print the name of the month on the basis of numbers 1 – 12 using Switch Case statement.
16. Write a program to find whether a year is leap or not.
17. Write a program to find the maximum of three numbers
18. Write a program to find greatest and least of 3 numbers.
19. Write your name on screen 10 times.
20. Write a program to calculate the factorial of a number.

Array

21. Write a program to create an array of 10 integers, 5 floats, 8 doubles, 4 shorts, 5 bytes types data.

22. Print the values of the above arrays using for loop.
23. Print the values of the above arrays using for each loop.
24. Print the values of the above arrays using for while loop.
25. Print the odd position values of the above arrays using for each loop.
26. Create an array of chars comprising of the characters of your name and print your name out of this array.
27. Create a 2D array using various styles and print the values of this array.
28. Create a Jagged array of 4 rows and 2,5,3,1 column in respective rows.
29. Write a program which tries to access an element od the array which is out of index boundaries.