

# JAVA I

## Lab Assignment-II

1. WAP to read two numbers a and b from the keyboard and display the remainder and quotient obtained by dividing a by b.
2. WAP to read a 4 digit number from the user and do the following.
  - a. Display each digit separately.
  - b. Print the sum of digits.
  - c. Reverse the digits.
  - d. Find the square of the sum of each digit.
3. Solve the following problem using ternary operator.
  - a. WAP to read a number and print whether the number is even or odd.
  - b. WAP to find whether the given number is positive or negative.
  - c. WAP to read three numbers and display the greatest of them.
  - d. WAP to read four numbers and print the smallest one.
4. WAP to read the number and print whether the number is even or odd.
5. WAP to find whether the given number is positive or negative.
6. WAP to read three numbers and display the greatest of them.
7. WAP to read four numbers and print the smallest one.
8. WAP that reads the marks of students in five subjects. Then calculate the percentage and determine the division. Use these conditions:
  - a. Percentage greater than or equal to 80-distinction.
  - b. Percentage between 60 and 79-first division.
  - c. Percentage between 45 and 59-second division.
  - d. Percentage between 32 and 44-third division.
  - e. Percentage less than or equal to 31-fail.
9. WAP that print day depending upon the number inputted by the user. (If input is 1 print Sunday and so on.)
  - a. Using if .....else.....if
  - b. Using switch case
10. WAP that asks the user to enter his/her marks of 5 subjects and print the corresponding grade.
  - a. 100-80=A
  - b. 70-60=B
  - c. 59-50=C
  - d. 49-40=D
  - e. < 40=F
11. WAP that reads a year from a user and finds whether the year is a leap year or not.
12. WAP to calculate.
  - a. Sum

- b. Difference
  - c. Multiplication
  - d. Division
  - e. Of two numbers by reading the user's choice.
13. WAP to read the annual salary of an employee and declare the tax and print the actual amount received by the employee.
- a. Up to 100000=0%
  - b. Up to 150000=15%
  - c. Above 150000=25%
14. WAP to read a character and check if it is alphabet, digit or special character.