Java Practise Problems

Q1. Write a program that would print the information (name, year of joining, salary, address) of three employees by creating a class named 'Employee'. The output should be as follows:

Name Year of joining Address

Robert 1994 64C- WallsStreat

Sam 2000 68D- WallsStreat

John 1999 26B- WallsStreat

Q2. Write a program by creating an 'Employee' class having the following methods and print the final salary.

1 - 'getInfo()' which takes the salary, number of hours of work per day of employee as parameter

2 - 'AddSal()' which adds $10 to salary of the employee if it is less than $500.

3 - 'AddWork()' which adds $5 to salary of employee if the number of hours of work per day is more than 6 hours.

Q3. Factorial of any number n is represented by n! and is equal to 1\*2\*3\*....\*(n-1)\*n. E.g.-

4! = 1\*2\*3\*4 = 24

3! = 3\*2\*1 = 6

2! = 2\*1 = 2

Also,

1! = 1

0! = 0

Write a Java program to calculate factorial of a number.

Q4. Print the following patterns using loop :  
a.  
\*  
\*\*  
\*\*\*  
\*\*\*\*  
b.  
   \*    
 \*\*\*   
\*\*\*\*\*  
 \*\*\*   
   \*    
c.  
1010101  
 10101   
  101    
   1

Q5. Take values of length and breadth of a rectangle from user and check if it is square or not.

Q6. A shop will give discount of 10% if the cost of purchased quantity is more than 1000.  
Ask user for quantity  
Suppose, one unit will cost 100.  
Judge and print total cost for user.

Q7. Take input of age of 3 people by user and determine oldest and youngest among them.

Q8. A student will not be allowed to sit in exam if his/her attendence is less than 75%.  
Take following input from user  
Number of classes held  
Number of classes attended.  
And print  
percentage of class attended  
Is student is allowed to sit in exam or not.

Q9. Write a program to add 8 to the number 2345 and then divide it by 3. Now, the modulus of the quotient is taken with 5 and then multiply the resultant value by 5. Display the final result.

Q10. Assign values of variables 'a' and 'b' as 55 and 70 respectively and then check if both the conditions 'a < 50' and 'a < b' are true.