Programming in JAVA

Tutorial: 1 (1 to 10)

1) *Write a program that display the following message in the command prompt: (God said: "how are you?")
2) Write a program that prints features of Java.
3) Write a program that calculate the area of the circle.
4) *Write a program that swap the two values with using third variable and without using third variable.
5) *Write a program that takes two byte variable each having the initial value & take third variable. Assign the result of addition of two byte variable into third one.
6) Write a program that calculates the Simple Interest. (p*r*n/100)
7) *Write a program that check whether the number is even or odd.
8)* Write an application that creates a two-dimension array with float values.
   a. The first element should be array containing -56.7f.
   b. The second element should be an array containing 500.1f and 70.70f.
   c. Third element should be an array containing 100.9f,0.5f,20.20f.
   Declare, allocate and initialize the array. Display its length and elements.

Tutorial :2

1) Write a program that take initial values of students Roll Number, Name, and total marks secured in 5 subjects print his/her result as follows:
   a. If percentage >= 70 then result = “Distinction”
   b. If percentage >= 60 and < 70 then result = “First Class”
   c. If percentage >= 50 and < 60 then result = “Second Class”
   d. If percentage >= 40 and < 50 then result = “Pass Class”
   e. Else result = “Fail”.
2) Write a java application program to display factorial of any number.
3) Write a program that initialize three variables and find maximum among them.
4) Write a program that initialize month number and print the name of month (use switch…case) if month number is not in between 1 to 12, program should print invalid month number message.
5) Write a program to generate N Fibonacci series with while loop.
6) Set 10 integer values in an array; count each number occurrence in the array.

Tutorial:3
Command line argument

1) To reverse the input number. Number must be entered as command line argument.
2) Write a program that displays all the factors of a number entered by the user through keyboard during program execution. E.g. 8=>2 and 4
3) Write a java program which accepts any number from command prompt and displays the table of multiplication from 1 to 10 of that number.
4) Write a java program that takes integer no. as an input and check whether that no is prime or not.
5) Write a java program to take number as command line argument and check whether the number is Armstrong or not.
   [Armstrong number: The sum of cube of each digit is equal to number]
6) Write a java application program to print first N prime numbers; N must be entered as command line argument.
7) Write a program that takes string as an input and count number of vowels in that string.
8) Write a program that takes String as input from user and display next character at each character.
   Ex. Input String :CDE
   Output String:DEF
9) Write an application that search through its command line arguments. if an argument is found that does not begin with an uppercase letter, display an error message and terminate. (Hint : Use the Character.isUpperCase() Method)
10) Demonstrate the following methods of the Math class max(),min(),abs(),ceil(),floor(),random().