

LOOPS Questions

1. Write a do-while loop that asks the user to enter two numbers. The numbers should be added and the sum displayed. The loop should ask the user whether he or she wishes to perform the operation again. If so, the loop should repeat; otherwise it should terminate.
2. Write a program to calculate the sum of following series where n is input by user.
 $1 + 1/2 + 1/3 + 1/4 + 1/5 + \dots + 1/n$
3. Write a program to print numbers from 10 to 100.
4. Write a program to calculate the sum of first 100 natural number.
5. Write a program that prompts the user to input a positive integer. It should then print the multiplication table of that number.
6. Two numbers are entered through the keyboard. Write a program to find the value of one number raised to the power of another. (Do not use Java built-in method)
7. Write a program that prompts the user to input an integer and then outputs the number with the digits reversed. For example, if the input is 12345, the output should be 54321.
8. Write a program that reads a set of integers, and then prints the sum of the even and odd integers.
9. Use any loop to write a program that asks the user to enter two numbers. The numbers should be multiplied and the product displayed. The loop should ask the user whether he or she wishes to perform the operation again. If so, the loop should repeat; otherwise it should terminate.
10. Write a program to calculate the sum of following series .
 $1/2 + 1/3 + 1/4 + 1/5 + 1/6.$