

Exercise (Loop)

1. Write a program that prints the numbers from 1 to 100 such that:
If the number is a multiple of 3, you need to print "Fizz" instead of that number.

If the number is a multiple of 5, you need to print "Buzz" instead of that number.

If the number is a multiple of both 3 and 5, you need to print "FizzBuzz" instead of that number.

2. Write a Java program to reverse a string.

Test Data: Input a string: The quick brown fox Expected Output: Reverse string: xof nworb kciuq ehT

3. Write a program to find the factorial value of any number entered through the keyboard.

4. 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)

5. Write a program that reads a set of integers, and then prints the sum of the even and odd integers.

6. Write a program that prompts the user to input a positive integer. It should then output a message indicating whether the number is a prime number.

7. Use a for loop to print headings for four weeks (Weeks 1 - 4). Then use another for loop to print the days (Days 1 -7) for each week.

Expected Output:

Week 1

Day1

Day2

Day3

Day4

Day5

Day6

Day7

Week 2

Day1

Day2

...

8. Write a program that checks if the word is a palindrome or not. hint: A string is said to be a palindrome if it is the same if we start reading it from left to right or right to left.