Pg. 168 - 183 Java Programming *A comprehensive Introduction*

More Arrays + Strings

**Section 1: Define / Answer**

“backwards” iterator- a type of repetition is called iteration. Iterating backwards means repeating same task in backward.

What is the significance of **new**? - New is a key word we use to allocate a memory of desire size for an array.

How are Strings and Arrays similar in Java-

String is an object which is a sequence of characters.

Iterate through a string

Access elements in String by location/index value

What do we call the combination of 2 Strings?

String concatenation

+ allows us to concatenate Strings

ASCII –

It is a representation of characters, symbol, number, and even spaces/tabs as a number value.

String- is a sequence of characters.

Java Library (Give Examples of code you have used from the Java Library)- Code/ methods/ Classes that has already been written that we can access.

Scanner Class

Math Library

.lenth,

Java community created the java library.

OPERATING ON STINGS or String Operators

*arrayname*.length

str does not equal str 2

Boolean equals(str)

int (length)

char charAt(index)

int compareTo(str)

int indexOf(str)

int lastIndexOf(str)

Programming Assignment:

Task 1- Write a program that allows the user to enter a String and then uses a **for** loop to check whether the **String** is a palindrome, which means that if you reverse the order of the characters in the **String**, you get the same **String** back.

The program should output, **String** is a palindrome or not.

This program is a common program and lots of code exists on the Internet. Please right a short paragraph explaining how your program works above your source code.

Attach Snipping photos of source code and output.

For example:

Please Enter a string:

noon

noon **is a** palindrome //Output

Please Enter a string:

abcdcba **is a** palindrome // Output

Please Enter a string:

cat **is not a** palindrome //Output







