COMP1020 Winter 2024

In-Class Participation Week 2 Tuesday

Q1) The program should accept a string from the user. Store it in a variable str. Now, write a function to print a string in reverse.(Ignore the upper and lower case and don't use the StringBuilder class).

Example:

Input: "Mom"

Output: "mom".

Input: "Moon"

Output: "noom"

- Q2) Write a program to print all the indexes of 'a' in the string:

 "Graceful panda danced salsa, playing a jazzy trumpet, as a

 vibrant parrot sang along, creating a joyful atmosphere". [1]
- Q3) Accept 10 numbers from the user into an array names arrNum.

 Write a program to find out how many of them are positive, how many are negative, how many are even, and how many are odd.

 [1]

[1]

```
public class Week2Q4 {
public static void main(String[] args) {

int arr[] = { 10, 11, 12, 13, 14 };
add(arr);
for (int i = 0; i < arr.length; i++) {
   System.out.print(arr[i] + "\t");
}}

public static void add(int[] arr) {
   for (int i = 0; i < arr.length; i++)
   arr[i] += i;
   }
}</pre>
```

Q5) Randomly generate 2 points (i.e., (x₁, y₁) and (x₂, y₂)). Find the distance between these points. (Use Math class to complete the calculations). [1]

distance between two points = $\sqrt{(x_2-x_1)^2+(y_2-y_1)^2}$