CS3201: OBJECT ORIENTED PROGRAMMING LABORATORY

Topic: Arrays, Strings, Inline Functions, Function Overloading

Lab: 02 **Date: 08/03/2024**

OBSERVATION (PREPARATORY TOPICS)

1. In which situations would we prefer using inline functions over regular function calls in the program flow?
2. Given a government website's URL, write a code snippet to print the domain portion of the website's URL.
3. Predict the output of the following program:

```
#include<iostream>
using namespace std;
void overload_fn(float c,float d)
{
        cout << a+b;
}
void overload_fn(int a, int b)
{
        cout << a-b;
}
int main()
{
        overload_fn(3.5, 5.6);
        return 0;
}
```

4. Given below is two ways of storing the word Braugher. Explain the difference between both:

   Method 1: char arr[] = "Braugher";

   Method 2: char arr[] = {'B','r','a','u','g','h','e','r'};

5. Given is a code, what would be the value of count at the end of the program run?

```
#include <iostream>
using namespace std;
int main()
{
        int count=0;
        string str("Never gonna give you up");
        for(int i=0; str[i] != '\0'; i++)
                count++;
        return 0;
}
```

(a) 19 (b) 23 (c) 24 (d) None