

CMPT 125 Quiz - September 30, 2019

Name: _____

SFU ID: _____

Q1 . What will be the output of the following program? Write a short explanation.

```
#include <stdio.h>

int fun(int arr[], int n) {
    if (n == 0)
        return 0;
    else {
        printf("arr[%d] = %d\n", n-1, arr[n-1]);
        return arr[n-1] + fun(arr, n-1);
    }
}

int main() {
    int a[3] = {10, 20, 30};
    int q = fun(a, 3);
    printf("q = %d\n", q);
}
```

Q2. What will be the output of the following program? Write a short explanation.

```
#include <stdio.h>

int n = 2;

void foo() {
    static char a = 'A';
    a = a+1;
    printf("%c\n", a);
    n++;
}

int main(void) {
    foo();
    foo();
    printf("%d\n", n);
    return 0;
}
```

Q1:

arr[2] = 30

arr[1] = 20

arr[0] = 10

q = 60

Q2: B C 4