Lab Exercise

Q1. Write an assembly code that performs the same functionality as the following C code:

```
int sum;
int n=20;
sum = 0;
while (n>0) {
  sum = sum + n;
  n = n -1;
 }
```

where address of n begins at 0x20000000, and address of sum begins at 0x20000004.

Lab Submission

Q2. Write assembly code that performs the below C code:

```
int j=0;
int i;
for ( i = 0 ; i < 15 ; i++){

        j = j + i;

}
```

where address of j begins at 0x20000004.