Look at the following Assembly code for x86 architecture:

```
movl   $5, -12(%rbp)
movl   $10, -8(%rbp)
movl   -12(%rbp), %eax
movl   %eax, -4(%rbp)
movl   -8(%rbp), %eax
movl   %eax, -12(%rbp)
movl   -4(%rbp), %eax
movl   %eax, -8(%rbp)
```

1. Find out the meanings for each of the components of the code.
2. Try to understand the meaning of the program.
3. write the corresponding C program indicated by the above assembly code.

*Hint: **-12(%rbp), -8(%rbp)** and **-4(%rbp)** are individual variables.*