With Semaphore in a shared variable:

```
muktadul@muktadul-Inspiron-15-3567:~/Documents$ ./s
  Thread No: 1 is increase shared_variable by 1. Now shared_variable = 1
  Thread No: 2 is decrease shared_variable by 2. Now shared_variable = -2
  Thread No: 3 is increase shared_variable by 3. Now shared_variable = 3
  Thread No: 4 is decrease shared_variable by 4. Now shared_variable = -4
  Thread No: 5 is increase shared_variable by 5. Now shared_variable = 5
  Thread No: 6 is decrease shared_variable by 6. Now shared_variable = -6
  Thread No: 7 is increase shared_variable by 7. Now shared_variable = 7
  Thread No: 8 is decrease shared_variable by 8. Now shared_variable = -8
  Thread No: 9 is increase shared_variable by 9. Now shared_variable = 9
  Thread No: 10 is decrease shared_variable by 10. Now shared_variable = -10
muktadul@muktadul-Inspiron-15-3567:~/Documents$
```

Without Semaphore in a shared variable:

```
muktadul@muktadul-Inspiron-15-3567:~/Documents$ gcc OS_Lab_Assignment-2.c -o s
muktadul@muktadul-Inspiron-15-3567:~/Documents$ ./s
  Thread No: 1 is increase shared_variable by 1. Now shared_variable = 1
  Thread No: 8 is decrease shared_variable by 8. Now shared_variable = -8
  Thread No: 2 is decrease shared_variable by 2. Now shared_variable = -2
  Thread No: 4 is decrease shared_variable by 4. Now shared_variable = -4
  Thread No: 10 is decrease shared_variable by 10. Now shared_variable = -10
  Thread No: 5 is increase shared_variable by 5. Now shared_variable = 5
  Thread No: 6 is decrease shared_variable by 6. Now shared_variable = -6
  Thread No: 7 is increase shared_variable by 7. Now shared_variable = 7
  Thread No: 9 is increase shared_variable by 9. Now shared_variable = 9
  Thread No: 3 is increase shared_variable by 3. Now shared_variable = 3
muktadul@muktadul-Inspiron-15-3567:~/Documents$
```