CSSII Aparajita Rana - Midterm 1 opt 4 Midtern Topic 9 (1P. P, 1P.Q, n, local) (P2, Q2,0, -) (P4, Q2,0,-) (PS, QZ, O, O) (15, Q3,0,1)? if reports 2 to 1?, (P3, Q3, 1, U) (P4, 93, 0,0) Ex 2: (On Seperak Page) Ex 3: (Part 1) on other page (Part 2) enable Write (0) & outoWrite write (0) & disable Writeo); while (!data is Empty ()) () data.addfist(0); enable write(+) 5 write. signal All W? disable Wife (0) obtowite waith disablewico) & read() { while (! read, empty e) & While (data is Empty ()) write wait (1;) read.waite) femps data. Last " return temp;

```
Semaphore refill = new Semaphore (2);
Ex. 2:
          Semaphore motex = new Semaphore(1);
            Heinen white int trucks=0;
      Threater 3/1 Truck
            gasupe acquire (); refill. acquire();
               if (+rucks = =0) {
                     6. times &
                          gasUp. acquirel; 33
                     mutexacquirett,
                      trucks+t',
                      mutex. release();
                     Ilrefilling truck
                      mutex. a cquire (),
                      trucks --;
                      nustax reteasect,
                   if (truchs = = 0) {
                        gasup.release();

3
mulex.release();

rolling
                          6. times &
```

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Ex.3: 1) write(Objecto) {
 data.adelfirs+();
 read.signalAll();

read() & while (data.is Empty (
read.wait ();

3
Object temp = data.getLas,
data.remove Last();
return temp;