

Ober Cab Services

Functions:

1.) driver_init()

- > initialises driver's state state=0 (waitstate) state=1(onride premier) state=2 (on ride poolone) state=3 (on ride poolFull)
- > c.state =1 (premirer ride) c.state=2 (pool ride)
- > drivers with even id have premier cab else pool cab

2.)rider_init()

- > initialises rider's cabtype (ctype) = 1 (i.e. premier ride) when id of rider is even and ctype = 2 (i.e. Pool ride) when id is odd
- >ridetime and maxwaittime generated randomly
- > server denotes which server payment to be done initially -1

3.)payment_init()

- > server's state =0 (free)
- > server's id

4.)ride fun()

- sleep untill arrives
- wait untill gets a Cab
- if timeout
- exits from system
- sleep untill ridetime
- initialize payment and free cab
- wait for payment to get done

5-)pay fun()

- checks untill find such a riders whose ride has been completed
- Then assign a server to that rider for payment
- then sleep for 2sec
- payment is done and free server and rider exits.