```
open to 11 to check if door can be used or not
Monitor Dentot &
  int dentist = 0; // the check if dentist is ovailable or not condition chairs - occupied; // Usad for chairs in the working : ...
              Dentist available : // used for if dentist is available or not
              Door; Mused for if door is occupied or not
              customer-left : Wied for signoling outsmer left so other one on come in.
   condition
get-dental-treatment
    while (denist==0) woit (dentist-avoilable);
    dentist = dentist - 1;
    nom-chair = numchair +1;
    Signal (Chair occupied);
    while (open==0) wait (Door);
     open = open-1;
     signal (customer-left);
get-next_potient() {
    dentist = dentist + 1;
    Signal (dentist-avoilable);
    while (non-chair==0) wait (chair-occupied);
     num-chair = num-chair - 1;
Pinish-treatment() &
   Open = open +1;
    signal (door open);
    while (spenzo ) woit (wstomer-left);
```