```
2) write a c program to execute pops.
   SPIF for process scheduling.
#include < Stolioh 7
 int at [20] cput [20];
voil main () {
int at [50], Chut [50], tut [50], ut [50], u, custent time :
 voil Shostest - job ();
    int completed = 0;
    int Venuinay[u];
     int completed + [w];
608 (int 2 = 0; iLu; itt);
       & emaining [i] = cput(i] i]
 while (completed != n) }
     int shortest = -1?
    int min-time = 1000',
 for (int t = 0; Ech; it+)
il last [i] <= custant - time ea aut put [i] < min - fine
          40 Venining [i] 70) {
                 Shootest = e,
           win-time = chud [i]; 33
       il (Shootest = = -) &
      Cursond-time ++;
Completed - [ Shootest] = current time + bemaining [860st]
     Current - time t = Demaining [Shoster +]
```

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remaining [ shootest ] =0;
  tat [ Shortest] = completed - ( [ Shortest] - et
        (Bhortut)
  completed + + , 53
   int main () {
       Print 6 (" Enter us of processess");
      Blank ("t.d", th);
      Print & l" Enter arrival & Chu time ");
    for (int 1:0; 2=v; ct+) {
     8 cmb ("12 Ted", Let [i], Act [i], Act [i] 3
    Shortest - job ();
       float count =0; count w=0;
     for [int =0; ckn; itt) {
          Count - t = +d [i];
         Condat de = wt[i];
Print 6 1" p -1.d waiting = -(-d, turn around =- (. d;
      L, wt[i], tat [:]);
Brith (" they sot = 1-6", (float) (court w) / ");
     Print 6 ("the Aug TAT = 1-6 (blood) (could ) (u)
      odusu oj
```

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FCFS
Hinchele < States h>
Hindude < Stallis. h >
int main () 5
   int in;
  Point ("Enterno of processes (");
 Stanf ("T.d" du)
 int + tot ass = (int + ) wallow (ux size of (int))
int + W+ add = (int +) malloc (n + size of (int)).
int * at wr = (ind * ) walled (us size of (ind));
int + cpudass = (int +) malloc (n+ six f(int));
Printle ("Enter assival 4 busst ("");
    int aux = 0;
    ind at at so;
    int suntine = 0;
 for [int 7=01, 2<4]
Beauf ("1. d-1. d'; at ist të, cont-ass+1) 3
fox (2:0; 2 < n-1; 2++) }
      for (int s = 8+1 ; scn; s++) }
     if (* (das) +3) 2 * (adas + 7) }
     int temp = * (das +?);
        * (at abote) = * (at aboti);
        * ( t ( 1 ) = temp;
           temp = + (cput add+8);
```

our

```
* (cput as 8 + 2) = * [ cput as 8 + 3);
+ (cput asr tj) = temp; 33
for (int z=o; ien; i++)
    Sumtime = * [cputudo +i);
    * (tataso + ? ) = Sum time;
    + (w't 200 7 2) 2 = (tut 200 +2)- +
                     (c) 400 t 2)/
   aut + = * (ut ars+1);
   atket + = + (tatas + e); 3.
for (int 8=6; 2×2;2++) 5
 Print of ("p')d; waiting = 1.d (+dasond = 1d)
    ê, * (wt 208 + i), * tat 688 til);
Printle (" the average ist = 7-6 In the average H
      z -1-6/mi, (float and (n, (blant) and et (n,
(float ) Suntime In;
      return 5,
```

```
SRETF
int at [50], cput [50], tat [50], wf [50], u,
     current time =0;
void shortest job (1) 3
      int completed =0;
     int remaining [h];
      int completed - E [u];
 for (int 2-0; 2 La ; i++ ) {
    remaining [i] = cput [i]; 3
    white (completed != 4) {
        int Shortestt -1;
        int min - time = low.
    608 (int i=0, ich ; 1++) ]
    it laters <= current-time 44
 remaining [i] < win-filme la remaining [i) 20){
       shortest = ? ;
    min - time = temaining [i];
    if (Shod fest ==-1) 8
           Current -time ++;
            Continue
```

custant time t = 1;

remaining [Shorles +] -= 1;

if (semaining (shorles +] == 6)3

completed + +;

completed - + [shorles +] = (arrow time;

+ at [Shorles +] = completed - + (Shorles +)

wh (shorles +] = ded [shorles +] - caplet

(Shorles +);

3.