```
12/5/23
write a program for Multilevel queue Schoduling
 algorithm. Here must be 3 greenes generated
Hinchele = Stdio. h >
int Spot [10], upot [10], m, no, P. [10], P2 [10];
int SPP+ [10], upp+ [10], time =0, op=0
   4. 2. PE
int Sptat Evo] , uptal Evo];
int Sput Lio]. UPUt [10];
float spadat =0, Slawt =0;
float upated =0; upand =0;
   void process(intx, int isystem)
     if (irsystem)
      (ET) + 40 = +40
      : [I] to 98-90 = [I] to +98
      SPP + [1] =0;
      SPW+[I] = SPtol [i] - P([X];
      SPatat [+] = SP+d [2];
     SP wt + = SPUTELLI;
   6Pt = upp+[1];
   up tod [x] 20P-UPod [x];
   uppt [2] =0
    what [+] = up tet [2]-P-2[2].
```

```
uptat = uptat [];
  up tout t = upul [2];
int main ()
  Point (" Ender the wa of 875tem proces: ");
  Scanb ("-1-d", An;);
 Point (" Enter the us of used pricess");
  Scanf ("-td'; 412);
 Print (" Enter AT of System process");
  808 (8=0; ELu; it+)
    Scan 6 ("-1-d, 48 pcd [i]);
  Pb ("Ender the AT for user process");
      for (i=0 ; i < n 2 ; i++).
      36 ("4-d", 4 uput [:])
  If ("Enter the Process Time for user Process")
      for (iso jieur litt)
      Sh ("1.d"; 4 uppt [i]);
    for (i-o i ich ; i++).
else
 & opt+ ;
```

```
Phint ("-1.d; op)
Print (" (n");
 Pantl ("System process. In");
   608 (i=0',izn',i+-1)
 Pf ("SP-1-1-1-1-1-1 /h", i++, 3pt [1], spot [1]);
 Pf (ATW + (System process); 1.26 ln"; Sptalet In];
 Pf (" Aut system poocess); 1.2(In; sport /n);
  of (" uses process);
     608 (ico; izuz; i++)
    Pf ("up-1-d-1-d-1-d", it i, up++Ei3 up st [i])
   Pf ("ATAT (wes proces): 1-26/n; updat /2);
   Pf ("AWT (user Process): -1.2 fln; upawt (u2)
    detudu 6;
  output
Enter the no of System process: 3
Entuthe no f, user Process: 3
  Enter the AT of SPi
 Enter the PT & SP;
      5 3 4
```

```
Enter the AT of UP:
Enter the PT for UP.
 System Process:
SP1 5 6
SP 3 11 7
ATAT (System process ):7-67
 AWT (System Process):3.67
 wer process
 UPI
     16 71
 UP2 17 14
 UP 3 18 16
```

ALAT (WSER PROCESS): 17.00
ANT (USER PROCESS): 17.00

```
Hinchele < Stato- ho
Hindude < Stallib. 4>
Hinelade (Stabool. 4)
Hinchede < String. h>
Binclude < lini to ho
# include < time. h >.
  type def storect
    Char vame [20);
     int deadline,
     int Priority ;
     int Stoot time,
      ind End-time;
   3 faste
  void Suntaste (task to tusk)
   & Print 6 ( " Punning 1 S; taske - 7 mane);
       Jask -> Stast - time = time ( NULL );
       Sleep (1)
       tusk -> cud-time = time (WULL)
      void def - 8chedules (Jash task []; int num task
       jut correct time =0;
        White (true)
```

```
int costist - deadline = 9nd. Max
Void prid-gard chart (task tasks [i]; int
                 num-tasks) &
Print ("In gant chart: In");
Print 6 (" In");
bod (intico; iz num-tasks; itt)
     Print 6 ("1-1.-105; tushs [i3, name]
  Print b ("In In");
 for (int i =0; ix num-tasks; itt)
     int task-dustation = tasks [i] enditing - tasks [i]
    Itast time 1,
   Print 6 (" (-1. 10d; tash-desating);
 int main ()
  int hum-task, ?;
  Point ( " Enles the no of fasks ");
 Scar & (" -1. 2", & hum - tasks);
  twok fusles = (taske) malloc (num - tasks *
                    Size of (tab);
for (1=0; ic min -tushs; i++) &
   Prival & (" Enter task hame; "))
```

Scanf ("-1-5", tasks [i] wand)

```
Printly ("Enter task deadline; ");
 Scanf (" -1.d; & tasks [i], dendline);
  Printf ("Enter task Prishty");
  Scorf ("1d", & tosks [i], Prisity);
Edf-Schodulg (tushs, news -tushs);
Prind gant-Chart (tusks, num-tusks);
 Privot tad - tuble (tashs- hum tosks);
   free (tayles);
    return o',
output
Enter the as of fusles 2:
   Doudlin: 80.
  gants chart.
          tash
          tash 1
   20
          Conflicted
   21
          task 2
   55
          Completed
```