```
burst_time[i-1] + wait_time[i-1]; return 0;
int turnaroundtime( int proc[], int n, int burst_time[],
int wait_time[], int tat[]) {
   for ( i = 0; i < n ; i++) tat[i] = burst_time[i] +
             return 0;
wait time[i];
                                                 int
int avgtime( int proc[], int n, int burst_time[]) {
wait_time[n], tat[n], total_wt = 0, total_tat = 0;
   int i;
  waitingtime(proc, n, burst_time, wait_time);
turnaroundtime(proc, n, burst_time, wait_time, tat);
printf("Processes Burst Waiting Turn around \n");
   total_tat = total_tat + tat[i];
wait time[i];
printf(" %d\t %d\t\t %d \t%d\n", i+1, burst_time[i],
wait_time[i], tat[i]); }
  printf("Average waiting time = %f\n", (float)total_wt /
(float)n); printf("Average turn around time = %f\n",
(float)total tat / (float)n);
                           return 0;
int main() { int proc[] = \{1, 2, 3\}; int n = sizeof
proc / sizeof proc[0]; int burst_time[] = {5, 8, 12};
avgtime(proc, n, burst_time);
  return 0;
```

int waitingtime(int proc[], int n, int burst\_time[], int

#include <stdio.h>



CODE OUTPUT

Processes Burst Waiting Turn around
1 5 0 5
2 8 5 13
3 12 13 25
Average waiting time = 6.000000

Average turn around time = 14.333333

	Algorithm
	START
	Set wait-time [0] = 0
	Loop for is and is a and it +
	Set wait time [1] = burst time [1-1] + wait time [1-1]
	End for
	In function int turnaroundtime (int proct, into, inthurst
	Ame [], Int wait - time [], int ta
STEP-1	In function int waitingtime (int proc!), int n, int burst-time
	CJ Int wait time CJ)
STEP-2	In function int turnaroundthre (int proc!), intn, int burst time[]
	ent west time [], int tat[])
	doop for i= 0 and ixn and i++
	Set tat [i] = burst_time [i] + wait_time [i]
	End for
SIEP-3	In function int augtine Chut proc [], int n, int brust time[] Declare and intialize wait - time [n] tot [n] total_wt=0
	Declare and intialize wait - time (n), tat (n) tatal_wt=0
	total - Tat = 0;
	Call waiting thre (proc, n, burst_time, waiting time) Call turn or our dtime (proc, n, burst_time, waitime, tat)
-	Call sturn obround time (proc, n, burst_time, waitime, tat)
	Loop for isoland is and it
	Set total wt = total wt + wait time [i]
	Set total tat = total - tot + tat ["]
	great process number, burstine wait time and two naround time
	the for
	print "Average waiting time = i.e. tatal_cut /n print "Average turn around time = i.e. tatal_tat/n

STEP-4	In gest main ()
	Declare the inpert int proc[] = \$1,2,3 }  Declare and initialize n = Size of proc [ Size of proc[o]  Declare and initialize burst - time [] = \$10,587
	Declare and instalks n= size at proc 1 suc at 1200
	De clare and initialize purst time 17 = 100. E 07
	The losor of high the
	Stop.
E Fre	