```
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

Deepska Rawat BSC-IT 2A Roll No - 20052033 Campus - Hill compus. Algorithm START Set wait-time [0] = 0 Loop for is and ix n and i++
Set wait the [i] = bust time [i-1] + wait time [i-1] End for In function int turnaroundline (int proct, intr, inthurst dime [], and wait time [], in to In function int waitingtime (intproc!), int n, int burst-time [] Int wait_ time []) In function int turnovoundthue (int pro C), into, int burst time[] rep-2 int want time [], int tat[]) doop for i= 0 and ixn and i++ Set tat [1] = burst_time [1] + wait_time [1] End for Declare and intialize wait-time [n] tat (n) total_wted total - tat = 0; Call waitingthue (proc, n, burst time, waiting time)
Call turn or ound time (proc, n, burst time, waitime, tat) Loop for isoland ikn and itt Set total wt = total wt + wait time [i] Set total tat = total _ tat + tat ["] point process number, burstime wait time and two naround time End for point " Average waiting time = i.e. total aut /n point " Average turn around time = i.e. total tat /n

FF-1

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	