Name- Bhavna ~~Eone~~ Std Id- 20052005
Course- BScIT
Section- 2A

Ans.
```
# include <stdio.h>
int main ()
{
  int bt[10]={0}, ~~at=~~ at[10]={0}, tat[10]={0}, wt[10)={0},
  ct[10]={0};
 int n, sum=0;
float totaltat=0, totalwt=0;
printf("Enter number of processes :");
Scanf("%d", &n);
printf("\nEnter arrival time and burst time for each
        process\n\n");
for (int i=0; i<n; i++)
{
  printf("Arrival time of P[%d]: ", i+1);
  scanf("%d", &at[i]);
  printf("Burst time of P[%d]: ", i+1);
  Scanf("%d", &bt[i]);
  printf("\n");
}
```

```
for (int j=0; j<n; j++)
{
  sum += bt[j];
  ct[i] += sum;
}
for (int K=0; K<n; K++)
{
  tat[K] = ct[K] - at[K];
  totaltat += tat[K];
}
for(int K=0 ;K<n; K++)
{
  wt[K] = tat[K] - bt[K];
  totalwt += wt[K];
}
printf("process \t Arrival time \t burst time \t
complete time \t turnaround time \t waiting time
\t \n \n");
for(int i=0; i<n; i++)
{
  printf("p %d \t\t %d \t \t %d \t \t %d \t \t %d \t \t
  %d \t\t", i+1, at[i], bt[i], ct[i], tat[i],
  wt[i]);
}
printf("\n\n average turnaround time = %f \n", totaltat);
printf("Average waiting time = %f \n", totalwt);
return 0;
}
```

Compile Result

```
Processes  Burst   Waiting Turn
 around
 1          5               0     5
 2          8               5     1
3
 3          12              13    2
5
Average waiting time = 6.000000
Average turn around time = 14.3
33333

[Process completed - press Ente
r]
```