Name - Naman
RollNo - 2023068
Section - B
Course - BSc IT
Subject - Operating System
Student ID - 20051051

Date - 22/6/21

Ans 1

Problem statement

```
#include <assert.h>
#include <ctype.h>
#include <limits.
#include <stdio.h>
int main()
{
 int n, bt[20], wt[20], tat[20], avwt = 0, avtat
                                    = 0, i, j;
Printf("Enter total number of orders(maximum 20
                                    ):");
Scanf("%d", &n);
Printf("\n Enter your pizza order\n");
for(i=0; i<n; i++)
   ~~bt[i]~~.
{
  Printf("P[%d]:", i+1);
  Scanf("%d", &bt[i]);
}
wt[0]=0;
for(i=1; i<n; i++)
{
  wt[i]=0;
  for(j=0; j<i; j++)
     wt[i] += bt[j];
}
```

```
printf("Pizza Order no, Bake CTime tWround Time");
for (i=0 ; i<n; i++)
{
tat [i] = bt[i] + wt[i];
avwt += wt [i];
avtat += tat [i];
printf("\n P[%d] \t %d \t %d", i+1, bt[i], wt
      [i], tat [i]);
}
avwt /= i;
avtat /= i;
printf("\n Average Waiting time: %d", avwt);
Print f("\n Average Turnaround time: %d",
return 0;                                avtat);
}
```

Ans.

Output:

```
Enter Total No. of order (Maximum 20):]
Enter - take time.
P[1] = 33
P[2] = 2
P[3) = 1
```

~~Order~~

Order	Bake time	waiting time	Turnaroud Time
1	33	0	33
2	2	33	35
3	1	35	36

Average waiting time — 22.66667
Average Turn around time - 34.66667

22/6/21