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Q2) Code :-

```
#include<stdio.h>
  int main()
{
  int bt[20], p[20], wt[20], tat[20], i, j, n,
   total=0, pos, temp;
   float avg_wt, avg_tat;
   Printf("Enter the number of process");
   for(i=0;i<n;i++)
{
   Printf("P%d:", i+1);
   Scanf("%d", &bt[i]);
   P[i] = i+1;
}
```

```
//Sorting of burst time
  for(i=0; i<n; i++)
  {
     pos = i;
     for(j= j+1; j<n; j++)
     {
        if(bt[j]<bt[pos])
           pos = j;
     }
     temp = bt[i];
     bt[i] = bt[pos];
     bt[pos] = temp;
     temp = b[i];
     p[i] = p[pos];
     p[pos] = temp;
  }
  wt[0] = 0;
```

```
for(i=1; i<n; i++)
{
   wt[i] = 0;
   for (j=0; j<i; j++)
     wt[i] += bt[j];
     total + wt [i];
}

   avg_wt = (float) total/n;
    total = 0;

  Printf(" n process t   Burst time t waiting
          Time+Turnaround Time");

  for (i = 0; i<n; i++)
  {
     tat [i] = bt[i] + wt[i];
      total + = tat [i];

  Printf("np %d tt  %d tt   % d ttt %d",
     P[i], bt[i], wt[i], tat[i]);

  }
```

```
avg_tat = (float)total/n;
Printf("\n\nAverage Waiting Time = %.f",avg_wt);
Printf("\nAverage Turnaround time = %.f\n", avg_tat);
return 0;
}
```