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Q2. Ans. Code:

```c
#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 no. of process:");
    scanf("%d", &n);

    printf("nEnter Burst Time:n");
    for(i=0; i<n; i++)
    {
        printf("p%d:", i+1);
        scanf("%d", &bt[i]);
        p[i] = i+1;
    }

    // sorting of burst times

    for(i=0; i<n; i++)
    {
        pos = i;
        for(j=i+1; j<n; j++)
        {
            if(bt[j] < bt[pos])
                pos = j;
        }
        temp = bt[i];
        bt[i] = bt[pos];
        bt[pos] = temp;
```

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```c
        temp = p[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[i]:
            total+=wt[i];
    }
    avg_wt=(float) total/n;
    total=0;

    printf("\n Process  Burst Time& t Waiting Time t Turnaround Time");

    for(i=0;i<n;i++)
    {
        tat[i]=bt[i]+wt[i];
        total+=tat[i];
        printf("\np% dt + %.dt + %dd + t:%d", p[i], bt[i], wt[i], tat[i];
    }
    avg_tat=(float) total/n;
    printf("\n nn Average Waiting Time = %f", avg_wt);
    printf("\n Average
    printf("\nAverage Turnaround Time = %fn", avg_tat);

}
```

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