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Q) Source Code:

```
#include<stdio.h>
Struct PCB{
        int pid, arrival, burst, turnaround;
  };
void pline (int x);
 void main (){
 int i, num, j;
 float avg = 0.0, sum = 0.0;
 Struct PCB p[10], temp;
printf ("Enter the total no of Processes: ");
Scanf ("%d", &num);
for (i=0; i<num; i++)
{
printf ("Enter Arrival time and Burst time
for Process %d : \n", i+1);
Scanf ("%d %d", &p[i].arrival, &p[i].burst);
  p[i].pid = i+1;
  }
```

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```
for (i=0; i<num-1; i++)
  {
for (j=0; j<num-i-1; j++)
   {
 if (p[j].arrival > p[j+1].arrival)
   {
   temp=p[j];
    p[j] = p[j+1];
    p[j+1] = temp;
     }
     }
     }
    for (i=0; i<num; i++)
     {
      sum = sum + p[i].burst;
      p[i].turnaround = sum;
      }
      sum = 0;
      pline (44);
     printf ("PID \tArrival \tBurst \tTurnaround \n");
      pline (44);
      for(i=0; i<num; i++)
       {
```

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```
printf("%d\t%d\t%d\t%d\n", p[i].pid, p[i].
        arrival, p[i].burst, p[i].turnaround);

    sum += p[i].turnaround;
    }
    pline(44);
    avg = sum / (float) num;
printf("\n Total Turnaround Time : %f.", sum);
printf("\n Average Turnaround Time : %3f.", avg);
    }

void pline (int x)
{
int i;
for (i=0; i<x; i++)
  {
  printf("-");
  }
printf("\n");
  }
```

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