Code:

```
#include <stdio.h>
void main() {
  int x, n, p[10], pp[10], pt[10], i, j, w[10], t[10];
  float awt = 0, atat = 0;
  printf("Enter the number of processes: ");
  scanf("%d", &n);
  printf("\nEnter Process Burst Time and Priority:\n");
  for (i = 0; i < n; i++) {
    printf("Process %d (Burst Time & Priority): ", i + 1);
    scanf("%d %d", &pt[i], &pp[i]);
    p[i] = i + 1;
  }
  // Sorting based on priority (Higher priority first)
  for (i = 0; i < n - 1; i++) {
    for (j = i + 1; j < n; j++) {
       if (pp[i] < pp[j]) { // Higher priority (larger number) first
         // Swap priority
         x = pp[i]; pp[i] = pp[j]; pp[j] = x;
         // Swap burst time
         x = pt[i]; pt[i] = pt[j]; pt[j] = x;
         // Swap process number
         x = p[i]; p[i] = p[j]; p[j] = x;
       }
    }
  // Waiting Time Calculation
  w[0] = 0;
  t[0] = pt[0]; // First process turnaround time = burst time
  atat = t[0];
  for (i = 1; i < n; i++) {
```

Output:

```
Enter the number of processes: 4
Enter Process Burst Time and Priority:
Process 1 (Burst Time & Priority): 15
Process 2 (Burst Time & Priority): 2 8
Process 3 (Burst Time & Priority): 4 6
Process 4 (Burst Time & Priority): 3 5
Process Burst Time Priority Wait Time Turn Around Time
      2
3
4
                    8
6
5
                                                2
                               2
                                                6
               1
                                    6
                                                7
            3 5 7
Average Waiting Time: 3.75
Average Turn Around Time: 6.25
=== Code Exited With Errors ===
```