TDM-GCC 9.2.0 64-bit Release

(globals)

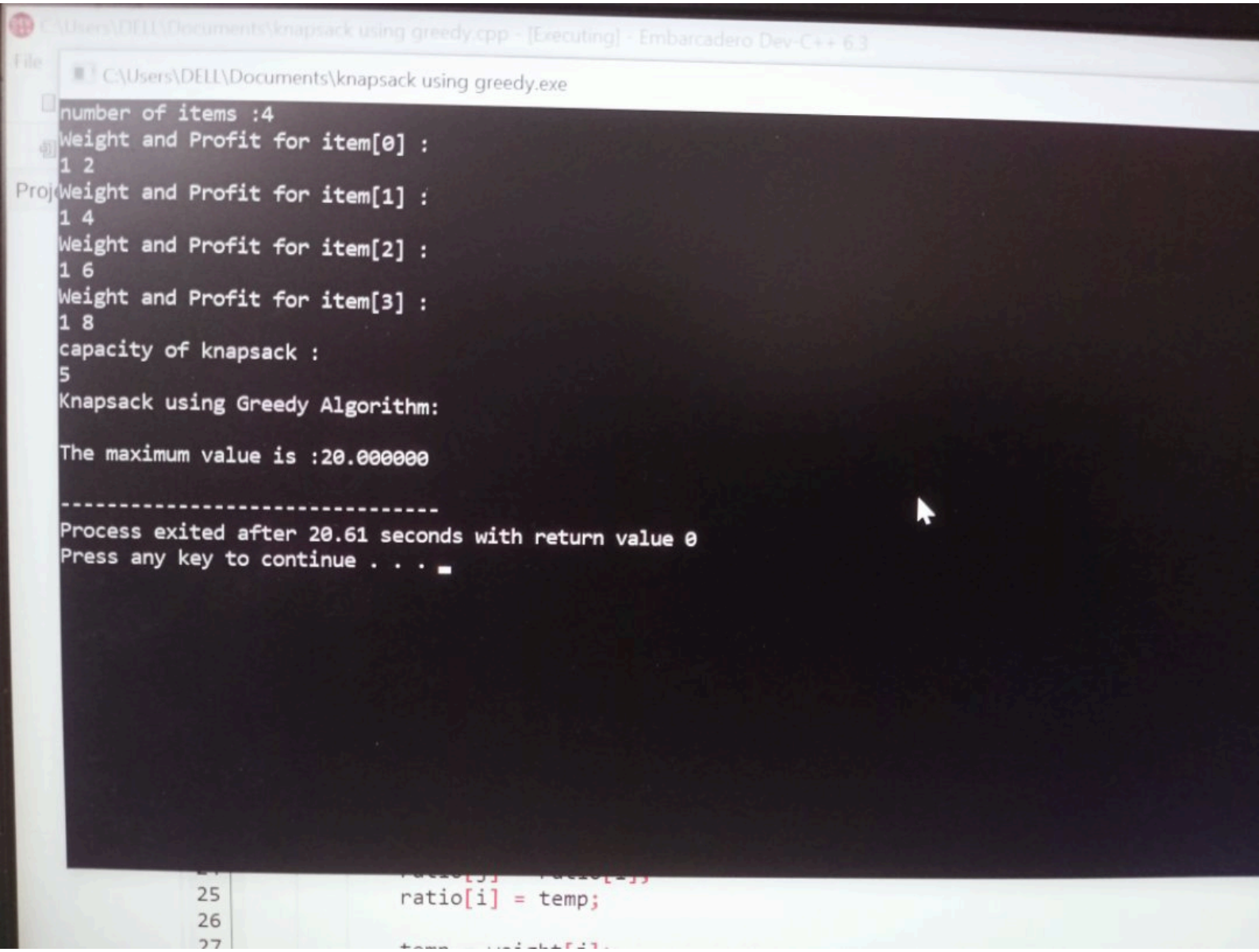
knapsack using greedy.cpp

```c
#include<stdio.h>
int main()
{
    float weight[50],profit[50],ratio[50],Totalvalue,temp,capacity,amount;
    int n,i,j;
    printf("number of items :");
    scanf("%d",&n);
   for (i = 0; i < n; i++)
   {
       printf("Weight and Profit for item[%d] :\n",i);
       scanf("%f %f", &weight[i], &profit[i]);
   }
   printf("capacity of knapsack :\n");
   scanf("%f",&capacity);

    for(i=0;i<n;i++)
        ratio[i]=profit[i]/weight[i];

   for (i = 0; i < n; i++)
     for (j = i + 1; j < n; j++)
        if (ratio[i] < ratio[j])
        {
            temp = ratio[j];
            ratio[j] = ratio[i];
            ratio[i] = temp;

            temp = weight[j];
            weight[j] = weight[i];
            weight[i] = temp;
```


C:\Users\DELL\Documents\knapsack using greedy.exe
number of items :4
Weight and Profit for item[0] :
1 2
Weight and Profit for item[1] :
1 4
Weight and Profit for item[2] :
1 6
Weight and Profit for item[3] :
1 8
capacity of knapsack :
5
Knapsack using Greedy Algorithm:
The maximum value is :20.000000
Process exited after 20.61 seconds with return value 0
Press any key to continue . . .
ratio[i] = temp;