```c
#include<stdio.h>

int max(int a, int b) { return (a > b)? a : b; }

int knapSack(int W, int wt[], int val[], int n) {
    int i, w;
    int K[n+1][W+1];
    for (i = 0; i <= n; i++){
       for (w = 0; w <= W; w++){
        if (i==0 || w==0)
            K[i][w] = 0;
        else if (wt[i-1] <= w)
                K[i][w] = max(val[i-1] + K[i-1][w-wt[i-1]], K[i-1][w]);
        else
                K[i][w] = K[i-1][w];
        }
  }
return K[n][W];
}

int main()
{   printf(":::::::::::::::::: KNAPSACK PROBLEM::::::::::::::::::\n");
    int val[] = {60, 10, 12,28,11,30,15};
    int wt[] = {10, 20, 30,34,28,87,10};
        printf("\t _______________________\n");
    printf("\t|S.No.| Value   | Weight|\n");
    printf("\t|_____|________|_______|\n");
    for(int i=0;i<7;++i){

    printf("\t|%d    | %d     |  %d   |\n",i+1,val[i],wt[i]);
    printf("\t|_____|________|_______|\n");
}

    int W = 56;
    printf("\n\tALLOWED WEIGHT TO PICK : %d\n",W);

    int n = sizeof(val)/sizeof(val[0]);
    printf("\n THE MAXIMUM VALUE THAT WE CAN ACHIEVE IS :: %d", knapSack(W, wt, val, n));
    return 0;
}
```