```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()
{
    int i, n, val[20], wt[20], W;

    printf("Enter number of items:");
    scanf("%d", &n);

    printf("Enter value and weight of items:\n");
    for(i = 0;i < n; ++i){
      scanf("%d%d", &val[i], &wt[i]);
    }

    printf("Enter size of knapsack:");
    scanf("%d", &W);

    printf("%d", knapSack(W, wt, val, n));
    return 0;
}
```

```
"C:\web developement(html.css.js)\KNAPSACK(DYNAMIC PROGRAMMING).exe"
Enter number of items:2
Enter value and weight of items:
22 45
11 56
Enter size of knapsack:22
0
Process returned 0 (0x0)    execution time : 14.953 s
Press any key to continue.
```