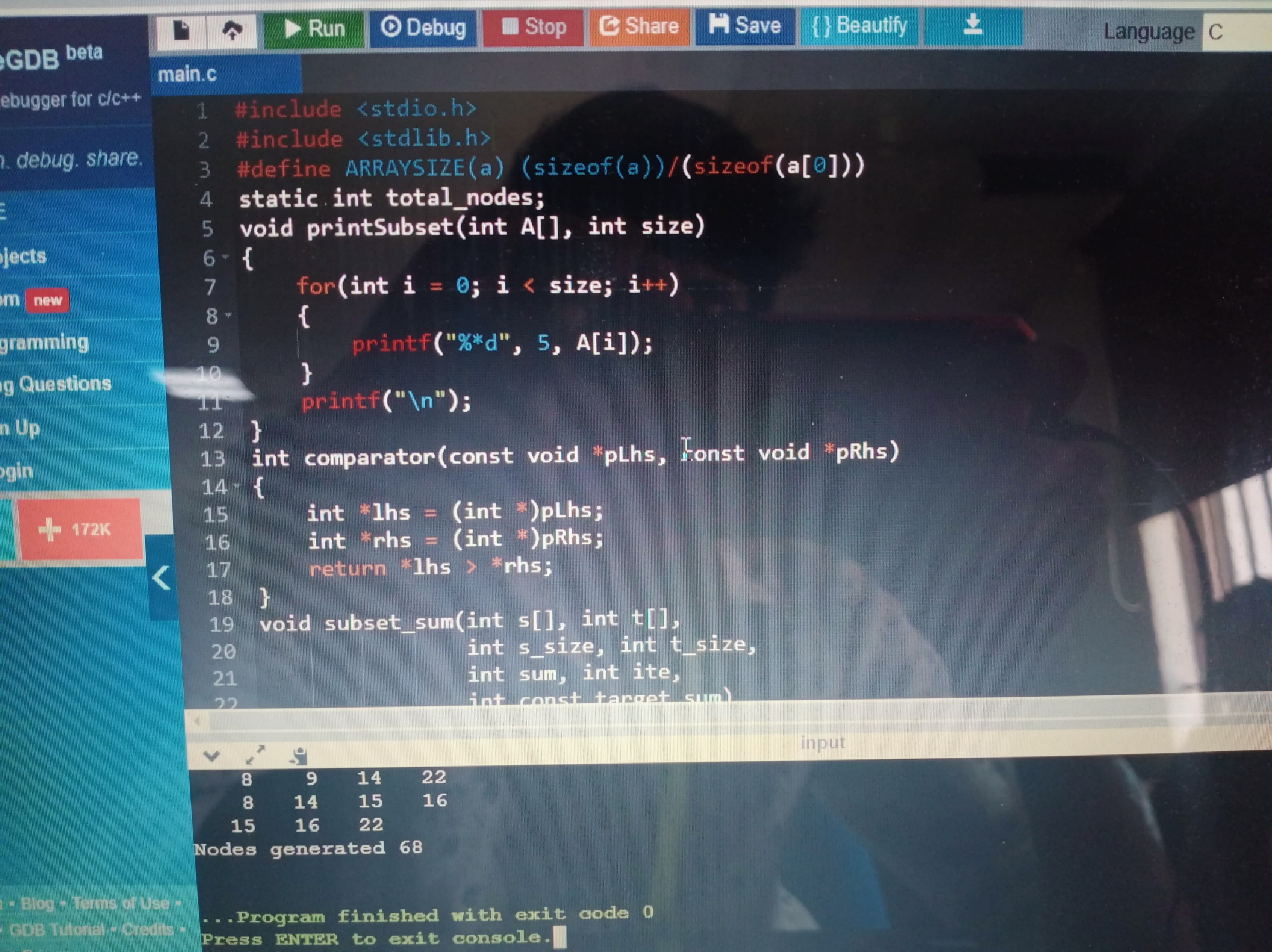
main.c

```c
int board[  ],count;
int main()
{
int n,i,j;
void queen(int row,int n);
printf("\n\nEnter number of Queens:");
scanf("%d",&n);
queen(1,n);
return 0;
}
void print(int n)
{
int i,j;
printf("\n\nSolution %d:\n\n",++count);
for(i=1;i<=n;++i)
  printf("\t%d",i);
for(i=1;i<=n;++i)
```

input

```
Enter number of Queens:4


Solution 1:

        1       2       3       4

1       -       Q       -       -

2       -       -       -       Q

3       Q       -       -       -

4       -       -       Q       -

Solution 2:

        1       2       3       4

1       -       -       Q       -

2       Q       -       -       -

3       -       -       -       Q

4       -       Q       -       -

...Program finished with exit code 0
Press ENTER to exit console.
```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Language C
main.c
#include <stdio.h>
#include <stdlib.h>
#define ARRAYSIZE(a) (sizeof(a))/(sizeof(a[0]))
static int total_nodes;
void printSubset(int A[], int size)
{
for(int i = 0; i < size; i++)
{
printf("%*d", 5, A[i]);
}
printf("\n");
}
int comparator(const void *pLhs, const void *pRhs)
{
int *lhs = (int *)pLhs;
int *rhs = (int *)pRhs;
return *lhs > *rhs;
}
void subset_sum(int s[], int t[],
int s_size, int t_size,
int sum, int ite,
int const target_sum)
input
8 9 14 22
8 14 15 16
15 16 22
Nodes generated 68
...Program finished with exit code 0
Press ENTER to exit console.
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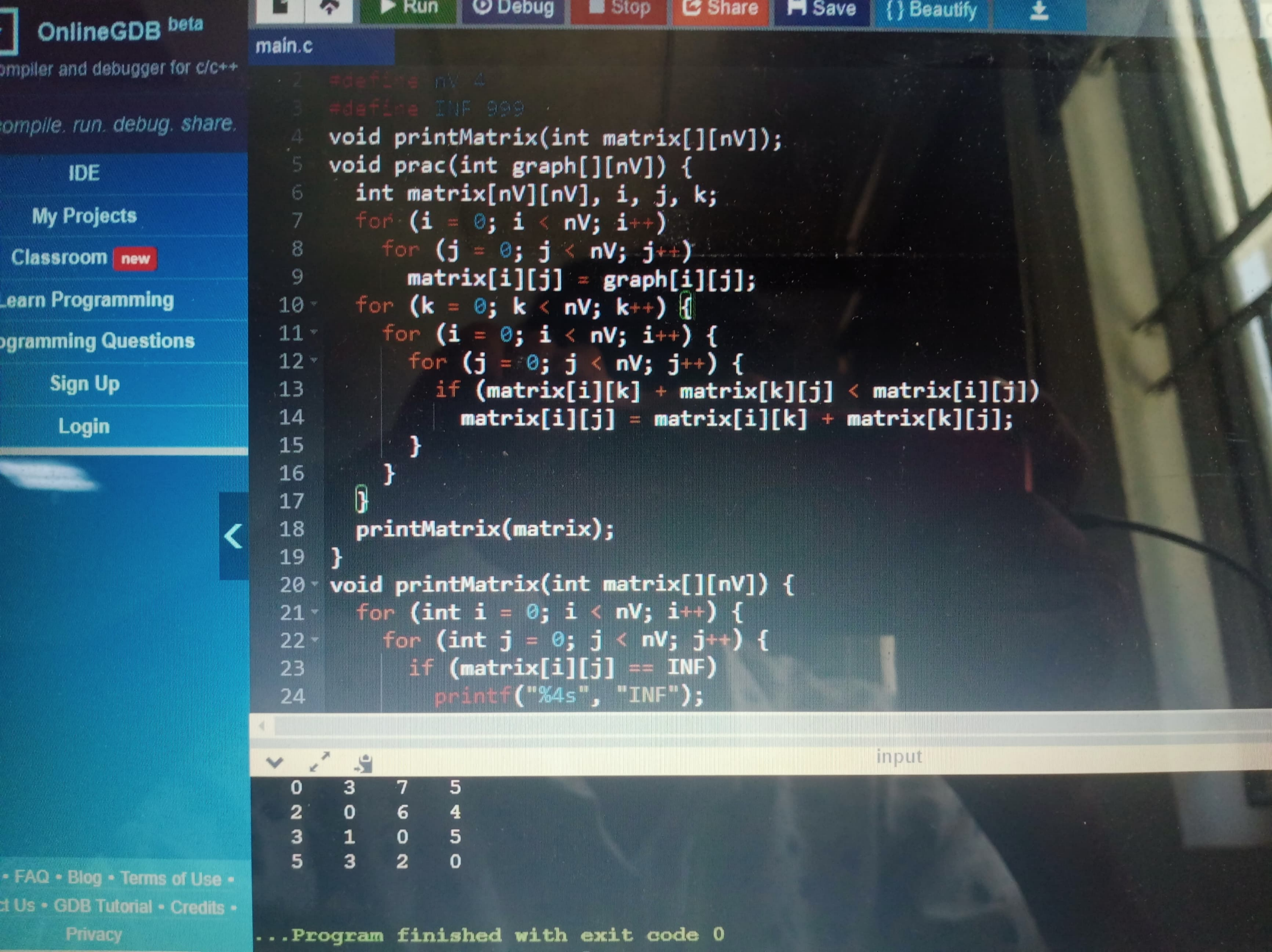
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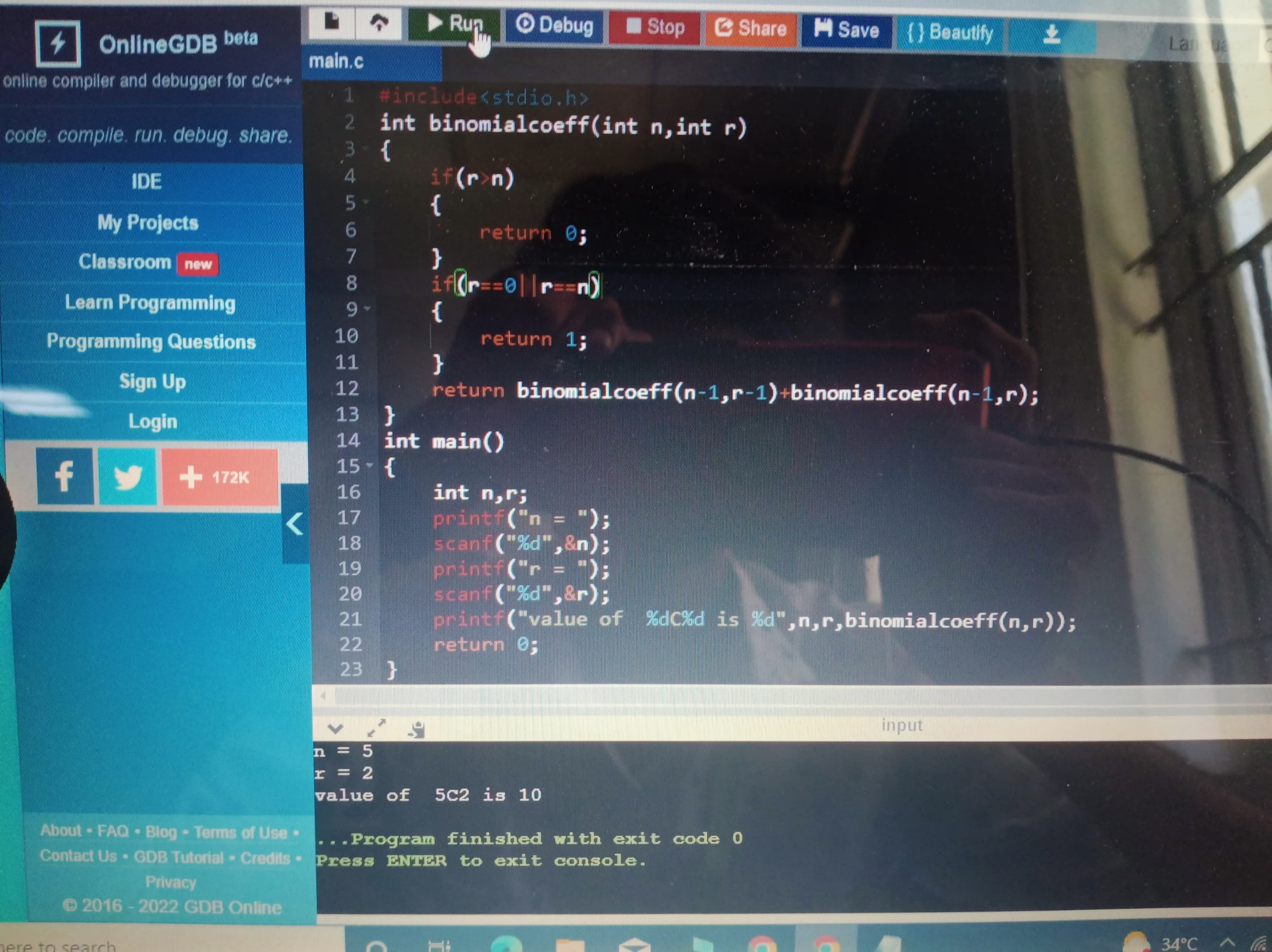
main.c
#define nV 4
#define INF 999
void printMatrix(int matrix[][nV]);
void prac(int graph[][nV]) {
int matrix[nV][nV], i, j, k;
for (i = 0; i < nV; i++)
for (j = 0; j < nV; j++)
matrix[i][j] = graph[i][j];
for (k = 0; k < nV; k++) {
for (i = 0; i < nV; i++) {
for (j = 0; j < nV; j++) {
if (matrix[i][k] + matrix[k][j] < matrix[i][j])
matrix[i][j] = matrix[i][k] + matrix[k][j];
}
}
}
printMatrix(matrix);
}
void printMatrix(int matrix[][nV]) {
for (int i = 0; i < nV; i++) {
for (int j = 0; j < nV; j++) {
if (matrix[i][j] == INF)
printf("%4s", "INF");
input
0 3 7 5
2 0 6 4
3 1 0 5
5 3 2 0
...Program finished with exit code 0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main.c
#include<stdio.h>
int binomialcoeff(int n,int r)
{
if(r>n)
{
return 0;
}
if(r==0||r==n)
{
return 1;
}
return binomialcoeff(n-1,r-1)+binomialcoeff(n-1,r);
}
int main()
{
int n,r;
printf("n = ");
scanf("%d",&n);
printf("r = ");
scanf("%d",&r);
printf("value of %dC%d is %d",n,r,binomialcoeff(n,r));
return 0;
}
input
n = 5
r = 2
value of 5C2 is 10
...Program finished with exit code 0
Press ENTER to exit console.
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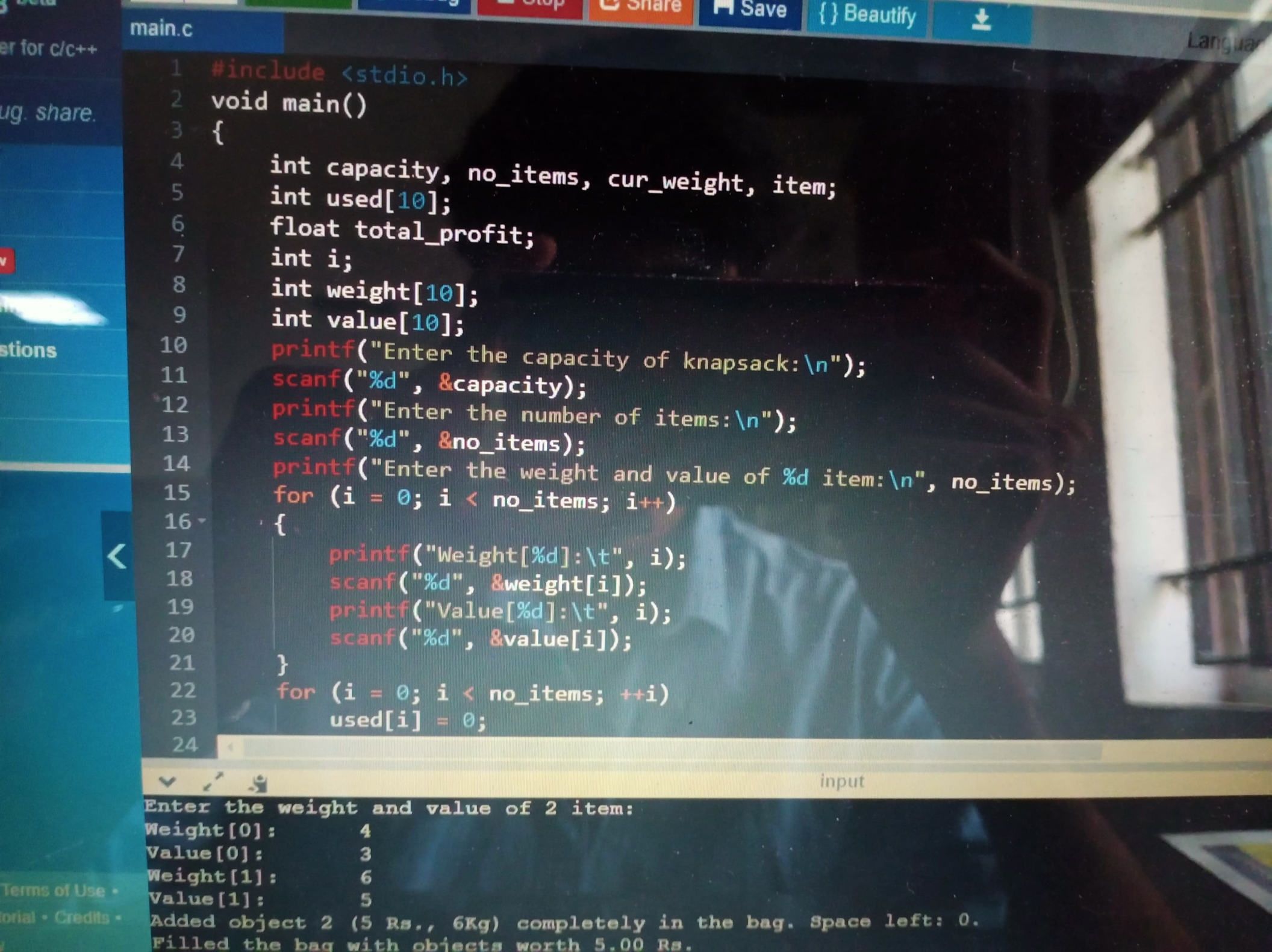
Stop
Share
Save
{} Beautify
main.c
#include <stdio.h>
void main()
{
int capacity, no_items, cur_weight, item;
int used[10];
float total_profit;
int i;
int weight[10];
int value[10];
printf("Enter the capacity of knapsack:\n");
scanf("%d", &capacity);
printf("Enter the number of items:\n");
scanf("%d", &no_items);
printf("Enter the weight and value of %d item:\n", no_items);
for (i = 0; i < no_items; i++)
{
printf("Weight[%d]:\t", i);
scanf("%d", &weight[i]);
printf("Value[%d]:\t", i);
scanf("%d", &value[i]);
}
for (i = 0; i < no_items; ++i)
used[i] = 0;
input
Enter the weight and value of 2 item:
Weight[0]: 4
Value[0]: 3
Weight[1]: 6
Value[1]: 5
Added object 2 (5 Rs., 6Kg) completely in the bag. Space left: 0.
Filled the bag with objects worth 5.00 Rs.