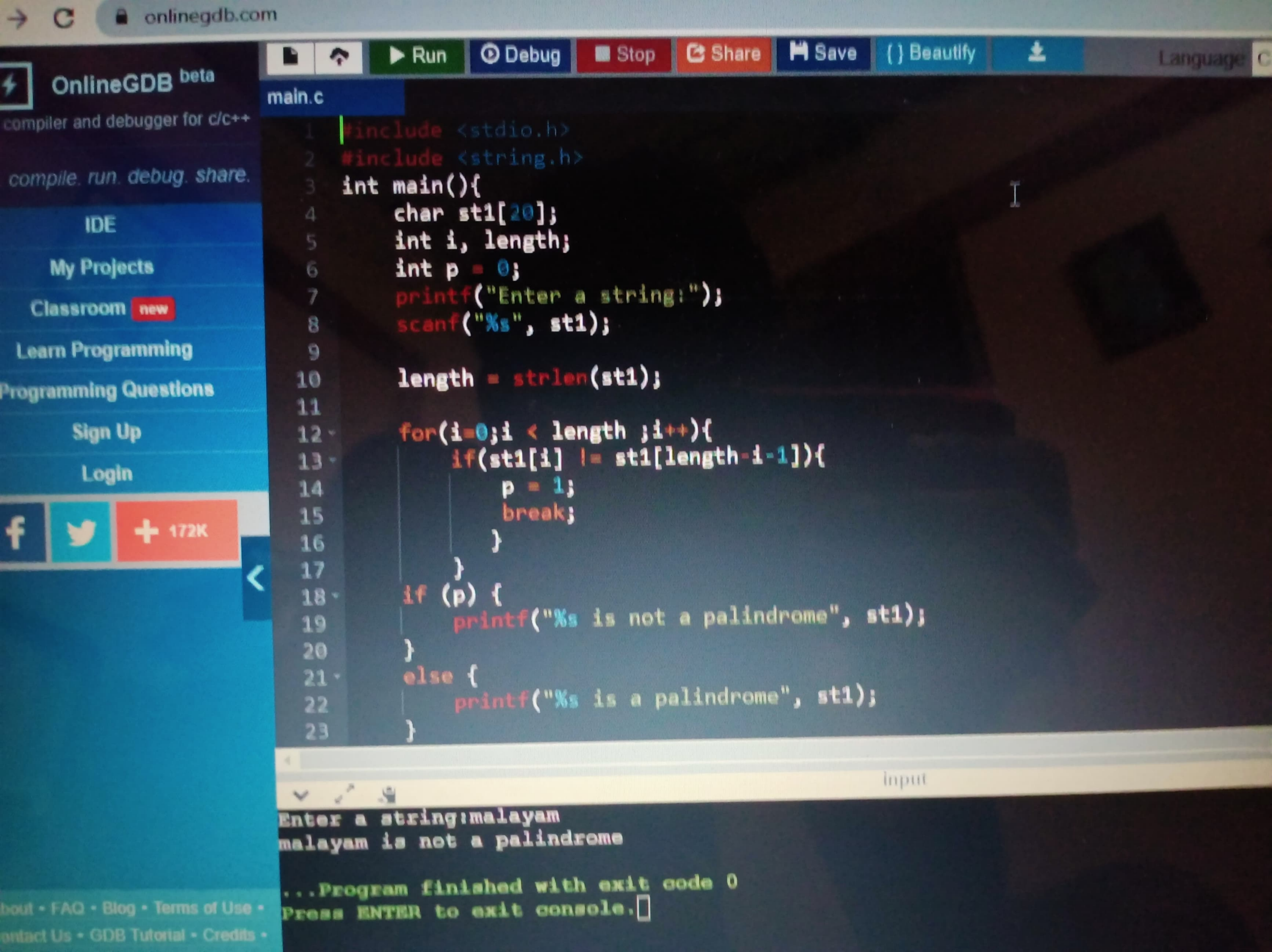
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Language
main.c
#include <stdio.h>
#include <string.h>
int main(){
char st1[20];
int i, length;
int p = 0;
printf("Enter a string:");
scanf("%s", st1);
length = strlen(st1);
for(i=0;i < length ;i++){
if(st1[i] != st1[length-i-1]){
p = 1;
break;
}
}
if (p) {
printf("%s is not a palindrome", st1);
}
else {
printf("%s is a palindrome", st1);
}
input
Enter a string:malayam
malayam is not a palindrome
...Program finished with exit code 0
Press ENTER to exit console.
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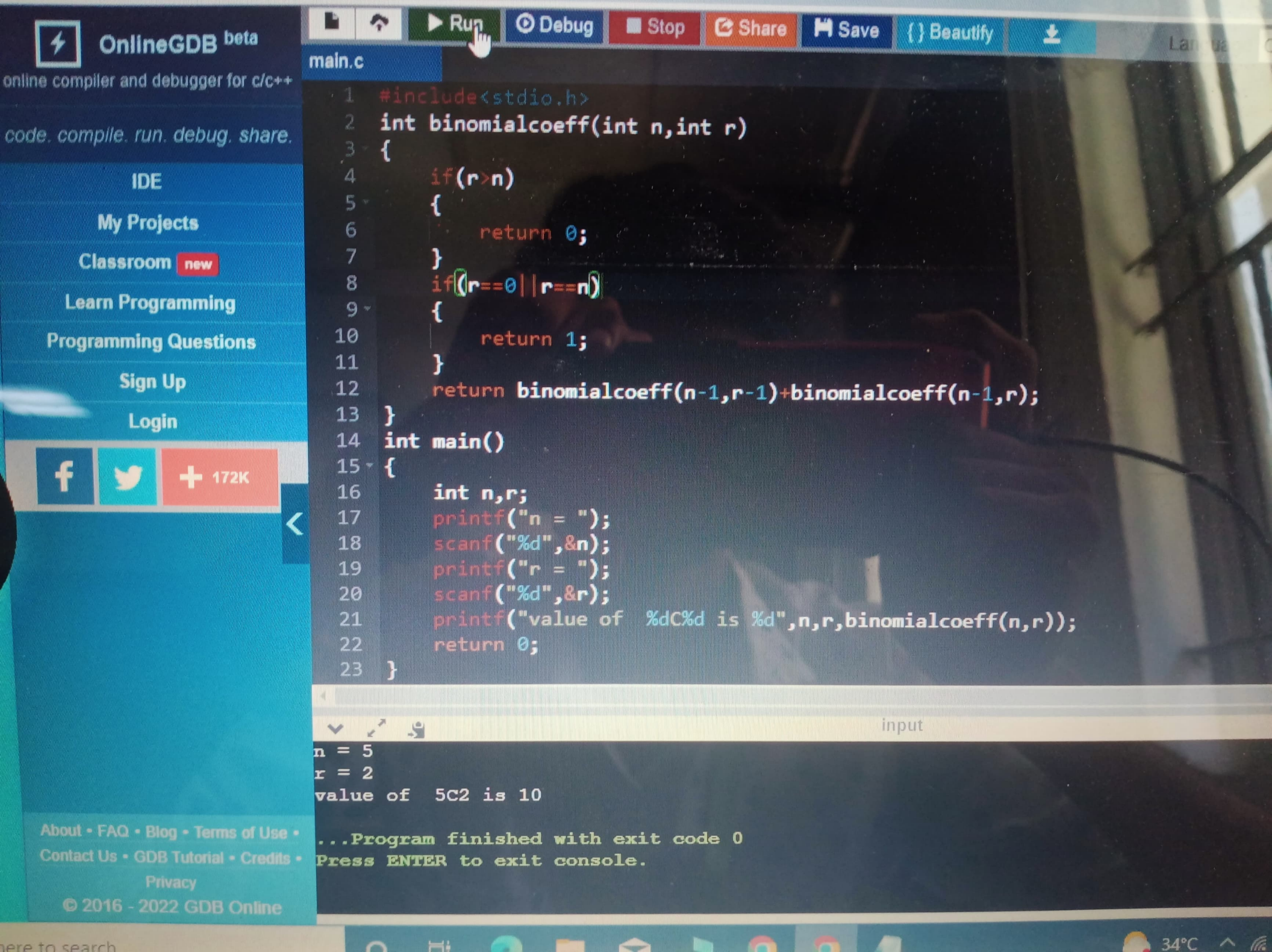
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main.c
#include<stdio.h>
int binomialcoeff(int n,int r)
{
if(r>n)
{
return 0;
}
if(r==0||r==n)
{
return 1;
}
return binomialcoeff(n-1,r-1)+binomialcoeff(n-1,r);
}
int main()
{
int n,r;
printf("n = ");
scanf("%d",&n);
printf("r = ");
scanf("%d",&r);
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
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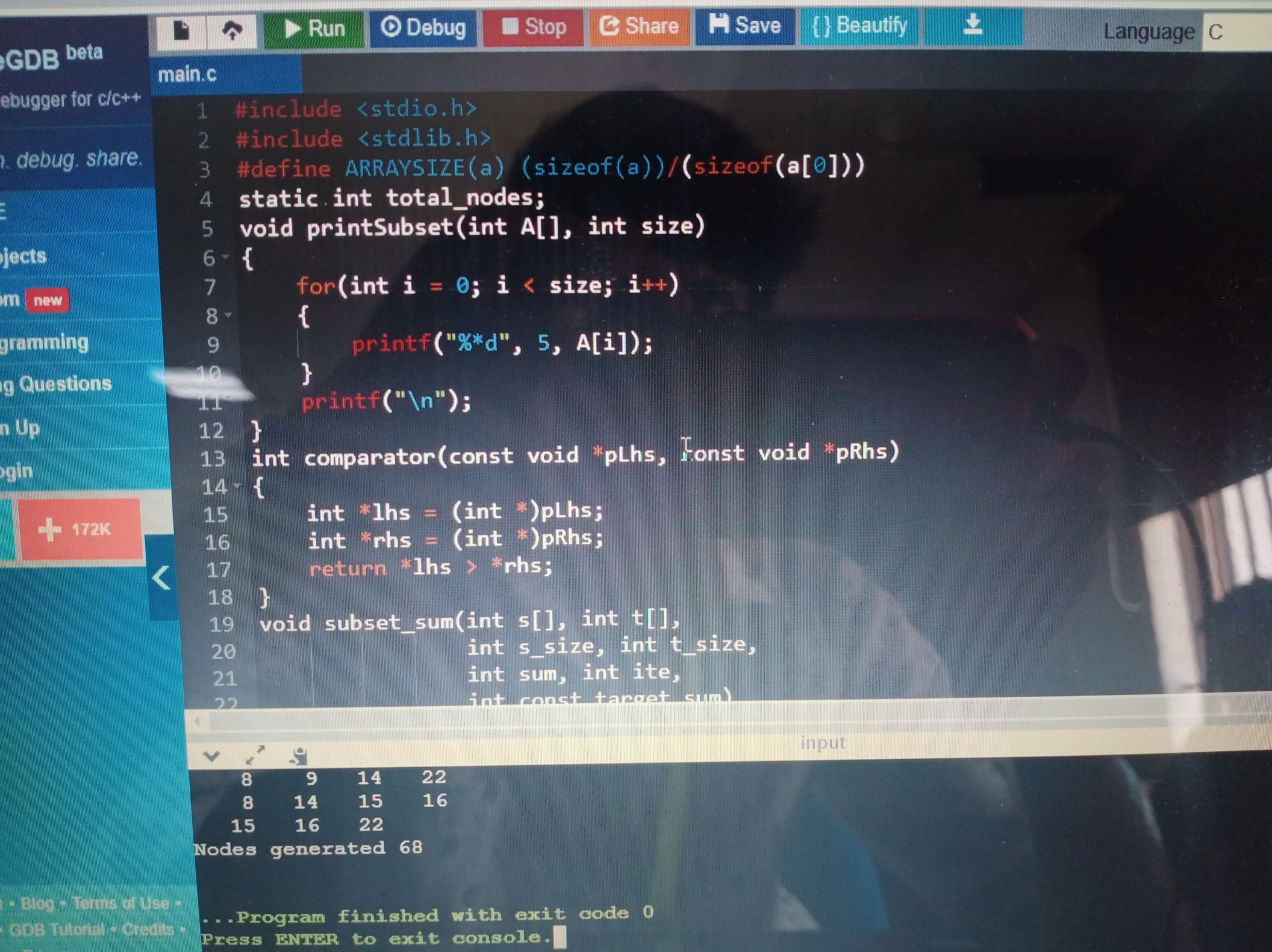
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Language C
main.c
#include <stdio.h>
#include <stdlib.h>
#define ARRAYSIZE(a) (sizeof(a))/(sizeof(a[0]))
static int total_nodes;
void printSubset(int A[], int size)
{
for(int i = 0; i < size; i++)
{
printf("%*d", 5, A[i]);
}
printf("\n");
}
int comparator(const 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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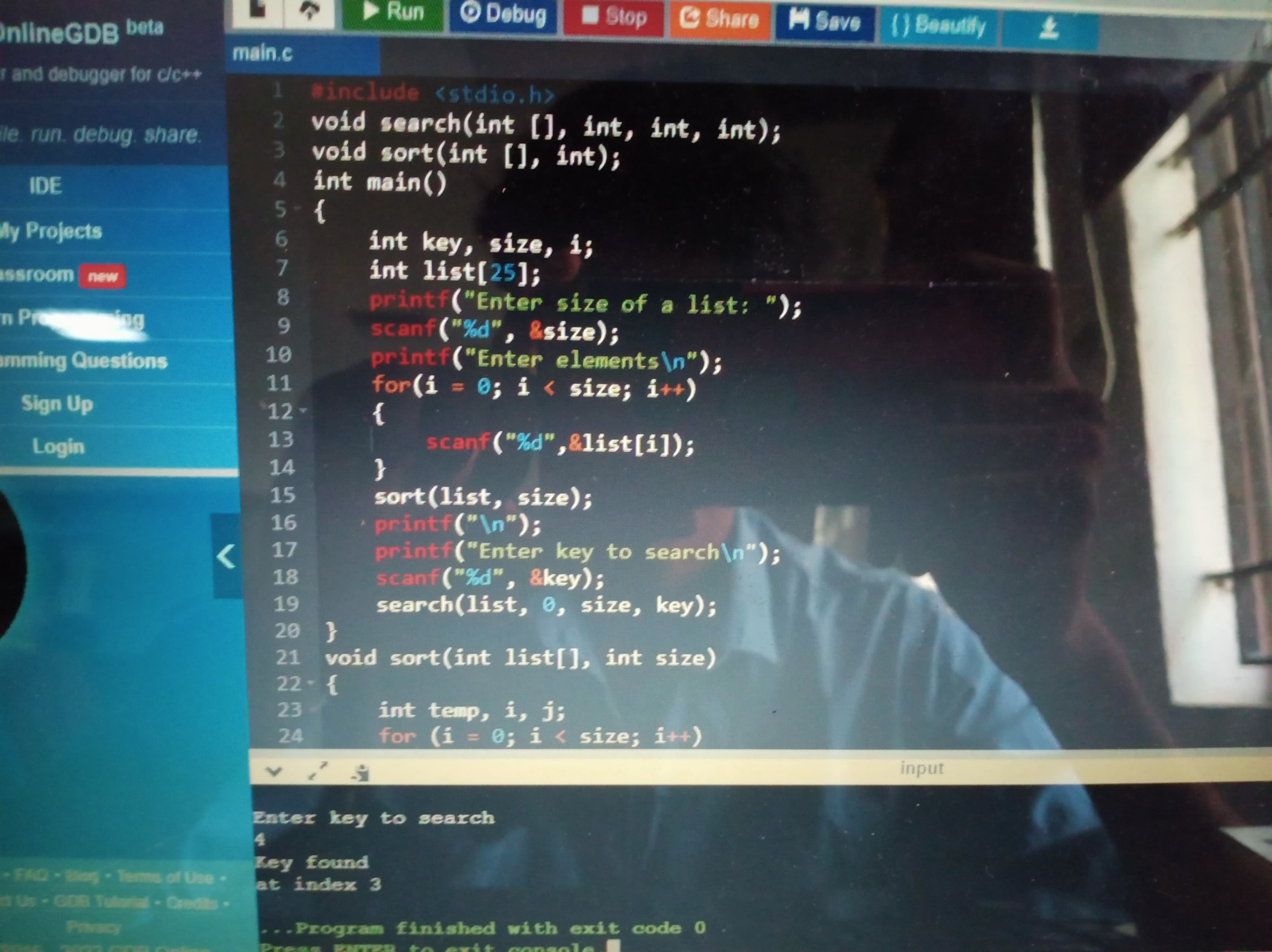
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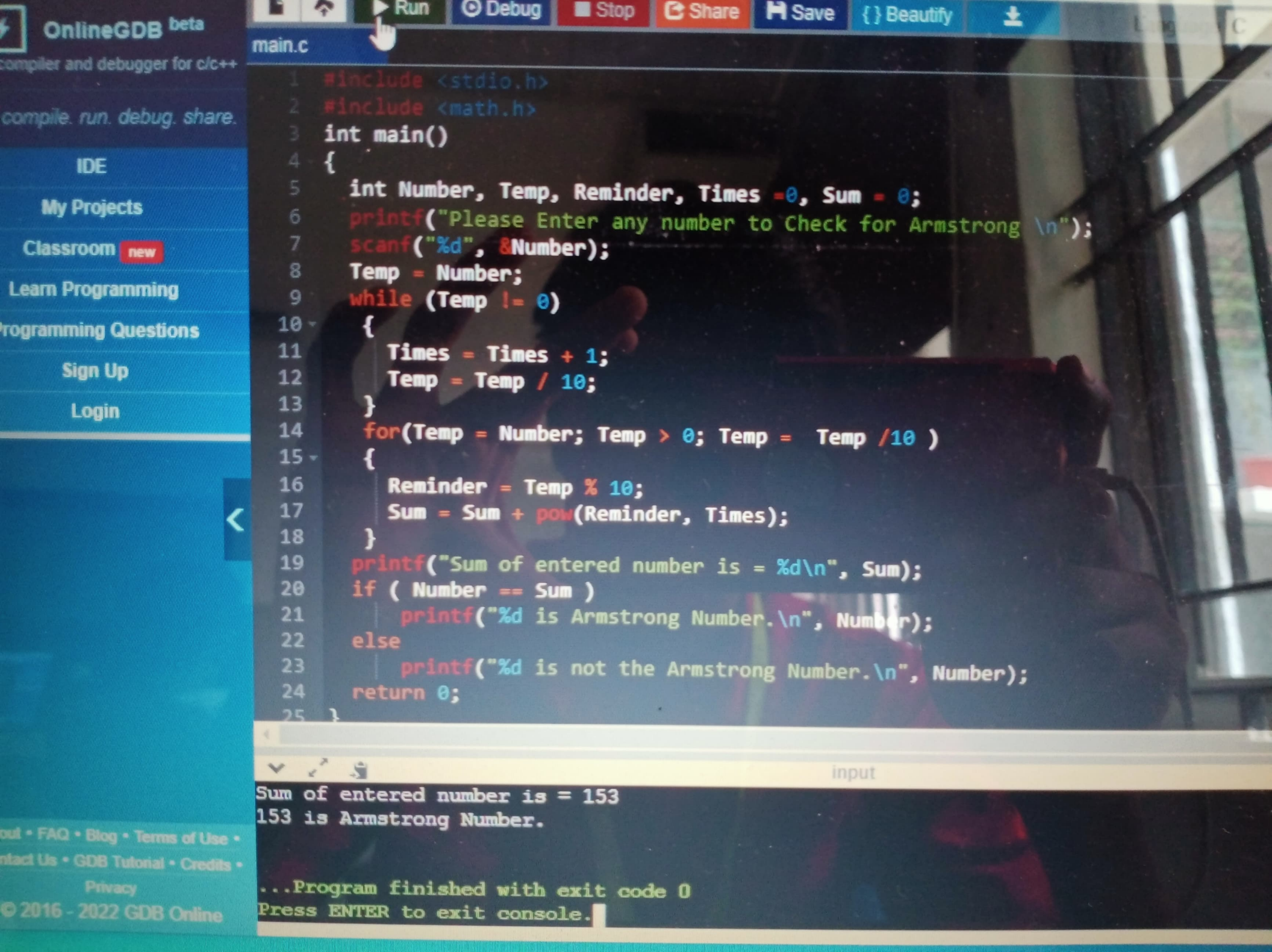
{ } Beautify
main.c
#include <stdio.h>
void search(int [], int, int, int);
void sort(int [], int);
int main()
{
int key, size, i;
int list[25];
printf("Enter size of a list: ");
scanf("%d", &size);
printf("Enter elements\n");
for(i = 0; i < size; i++)
{
scanf("%d",&list[i]);
}
sort(list, size);
printf("\n");
printf("Enter key to search\n");
scanf("%d", &key);
search(list, 0, size, key);
}
void sort(int list[], int size)
{
int temp, i, j;
for (i = 0; i < size; i++)
input
Enter key to search
4
Key found
at index 3
...Program finished with exit code 0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main.c
#include <stdio.h>
#include <math.h>
int main()
{
int Number, Temp, Reminder, Times =0, Sum = 0;
printf("Please Enter any number to Check for Armstrong \n");
scanf("%d", &Number);
Temp = Number;
while (Temp != 0)
{
Times = Times + 1;
Temp = Temp / 10;
}
for(Temp = Number; Temp > 0; Temp = Temp /10)
{
Reminder = Temp % 10;
Sum = Sum + pow(Reminder, Times);
}
printf("Sum of entered number is = %d\n", Sum);
if (Number == Sum)
printf("%d is Armstrong Number.\n", Number);
else
printf("%d is not the Armstrong Number.\n", Number);
return 0;
}
input
Sum of entered number is = 153
153 is Armstrong Number.
...Program finished with exit code 0
Press ENTER to exit console.
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