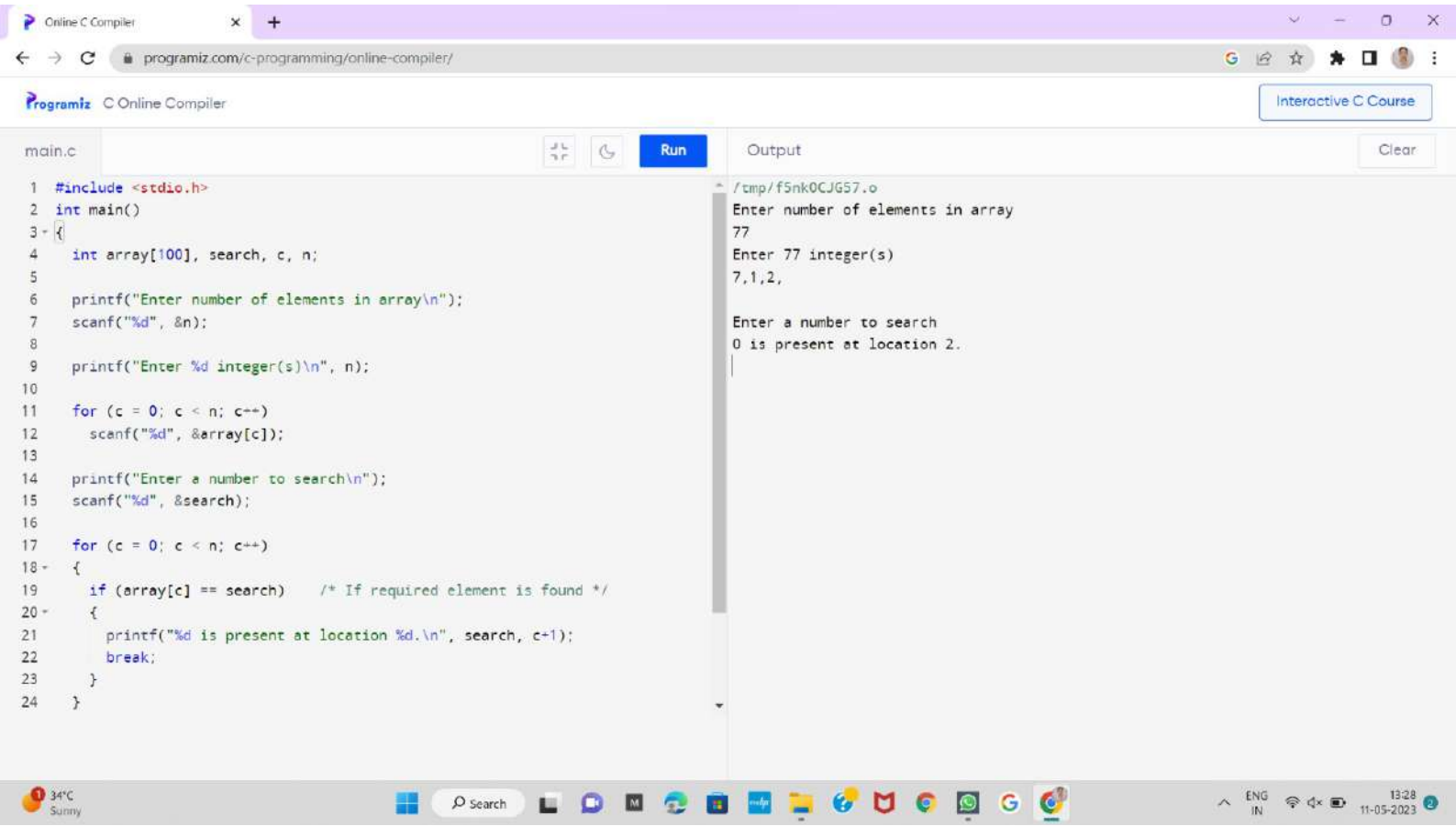
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main.c
Run
Output
Clear
#include <stdio.h>
int main()
{
int array[100], search, c, n;
printf("Enter number of elements in array\n");
scanf("%d", &n);
printf("Enter %d integer(s)\n", n);
for (c = 0; c < n; c++)
scanf("%d", &array[c]);
printf("Enter a number to search\n");
scanf("%d", &search);
for (c = 0; c < n; c++)
{
if (array[c] == search) /* If required element is found */
{
printf("%d is present at location %d.\n", search, c+1);
break;
}
}
/tmp/f5nk0CJG57.o
Enter number of elements in array
77
Enter 77 integer(s)
7,1,2,
Enter a number to search
0 is present at location 2.
34°C
Sunny
Search
ENG
IN
13:28
11-05-2023

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main.c

Run

Output

Clear

```c
printf("Enter number of elements in array\n");
scanf("%d", &n);

printf("Enter %d integer(s)\n", n);

for (c = 0; c < n; c++)
  scanf("%d", &array[c]);

printf("Enter a number to search\n");
scanf("%d", &search);

for (c = 0; c < n; c++)
{
  if (array[c] == search)    /* If required element is found */
  {
    printf("%d is present at location %d.\n", search, c+1);
    break;
  }
}
if (c == n)
  printf("%d isn't present in the array.\n", search);

return 0;
}
```

```
/tmp/f5nk0CJG57.o
Enter number of elements in array
77
Enter 77 integer(s)
7,1,2,

Enter a number to search
0 is present at location 2.
```

Snipping Tool

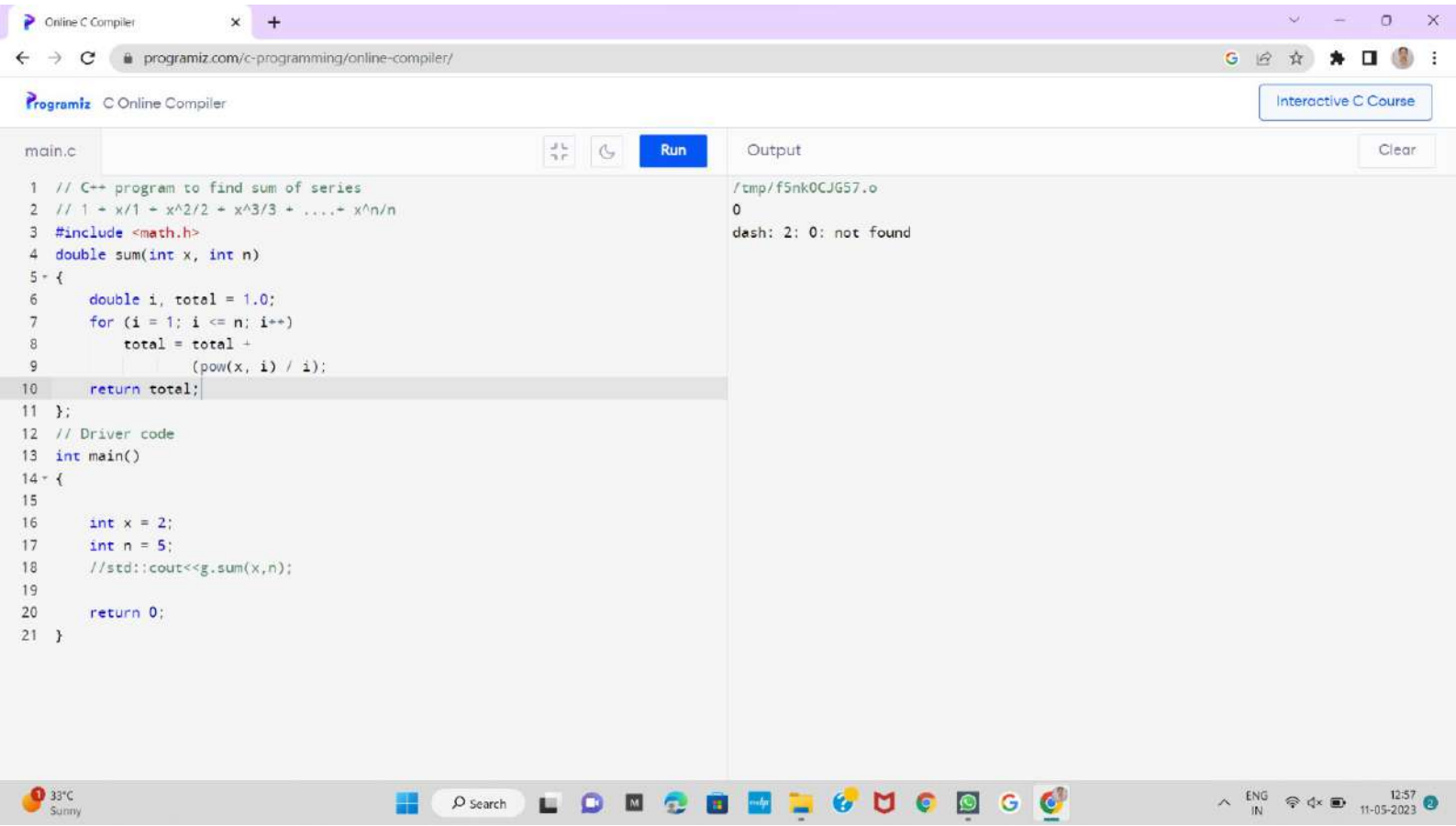
Screenshot copied to clipboard and saved
Select here to mark up and share the image

34°C
Very high UV

Search

ENG
IN

13:28
11-05-2023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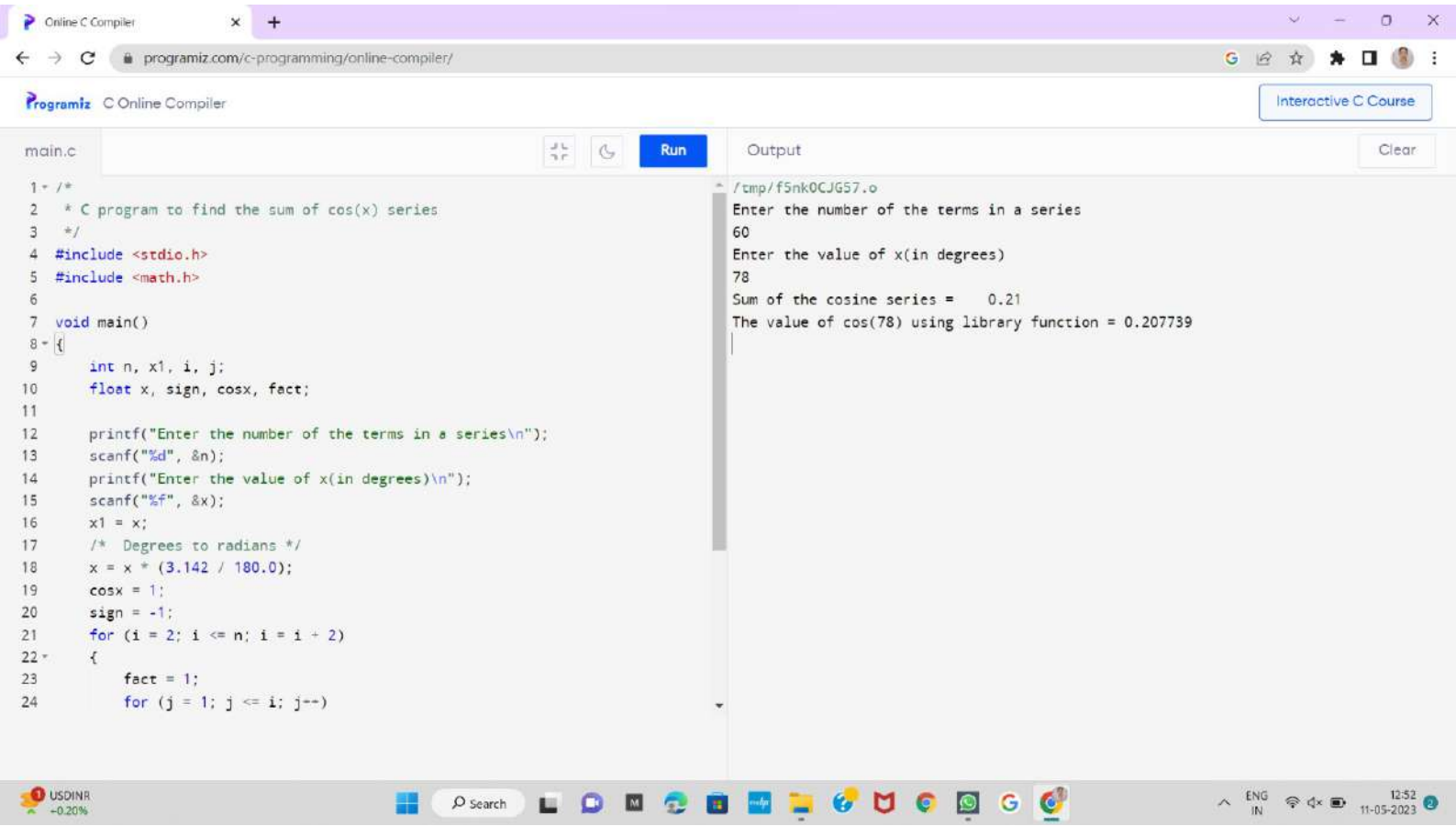
main.c
Run
Output
Clear
// C++ program to find sum of series
// 1 + x/1 + x^2/2 + x^3/3 + ...+ x^n/n
#include <math.h>
double sum(int x, int n)
{
double i, total = 1.0;
for (i = 1; i <= n; i++)
total = total +
(pow(x, i) / i);
return total;
};
// Driver code
int main()
{
int x = 2;
int n = 5;
//std::cout<<g.sum(x,n);
return 0;
}
/tmp/f5nk0CJG57.o
0
dash: 2: 0: not found
33°C
Sunny
Search
ENG
IN
12:57
11-05-2023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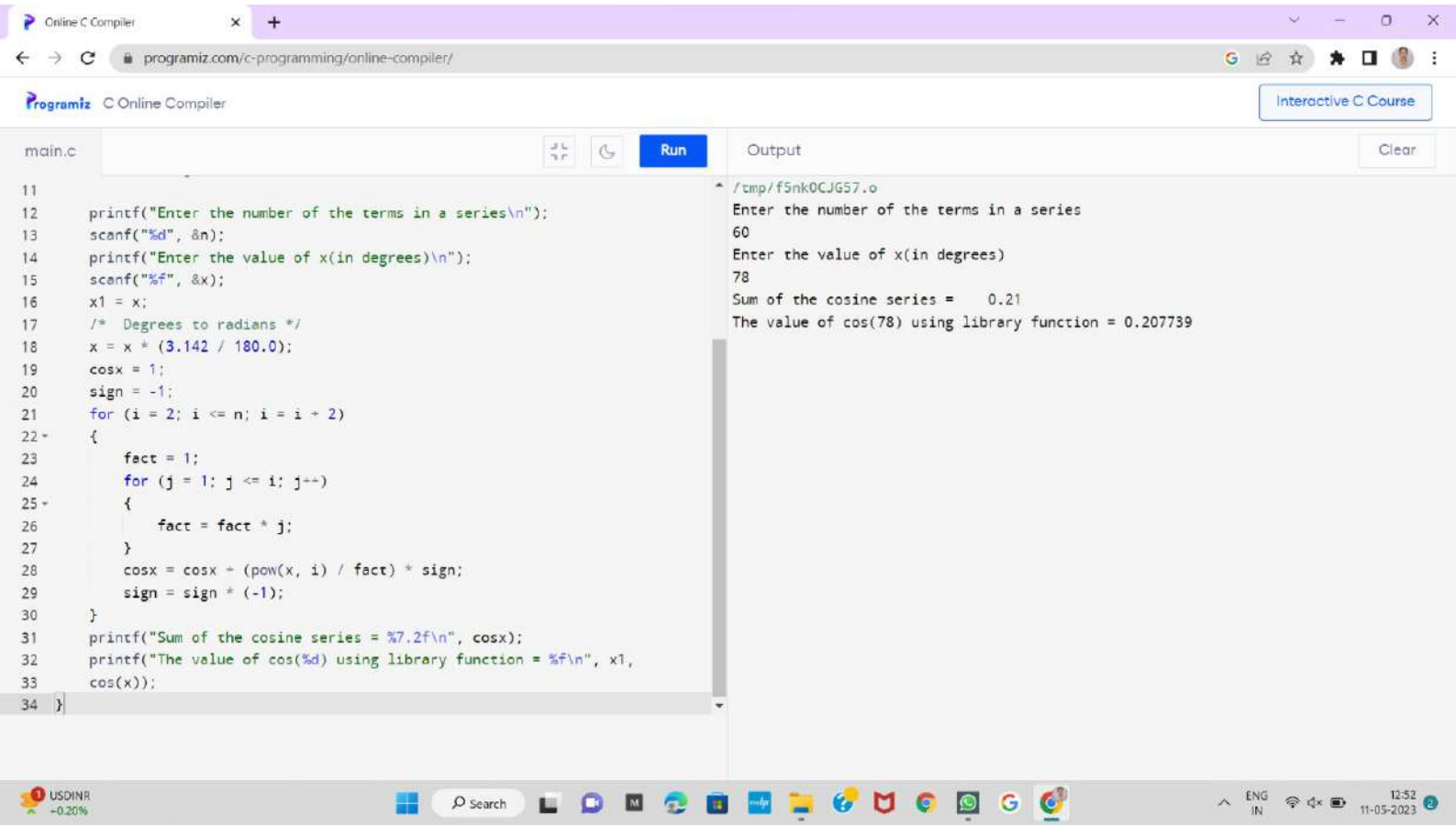
main.c
Run
Output
Clear
/*
* C program to find the sum of cos(x) series
*/
#include <stdio.h>
#include <math.h>
void main()
{
int n, x1, i, j;
float x, sign, cosx, fact;
printf("Enter the number of the terms in a series\n");
scanf("%d", &n);
printf("Enter the value of x(in degrees)\n");
scanf("%f", &x);
x1 = x;
/* Degrees to radians */
x = x * (3.142 / 180.0);
cosx = 1;
sign = -1;
for (i = 2; i <= n; i = i + 2)
{
fact = 1;
for (j = 1; j <= i; j--)
/tmp/f5nk0CJG57.o
Enter the number of the terms in a series
60
Enter the value of x(in degrees)
78
Sum of the cosine series = 0.21
The value of cos(78) using library function = 0.207739
USDINR
-0.20%
Search
ENG
IN
12:52
11-05-2023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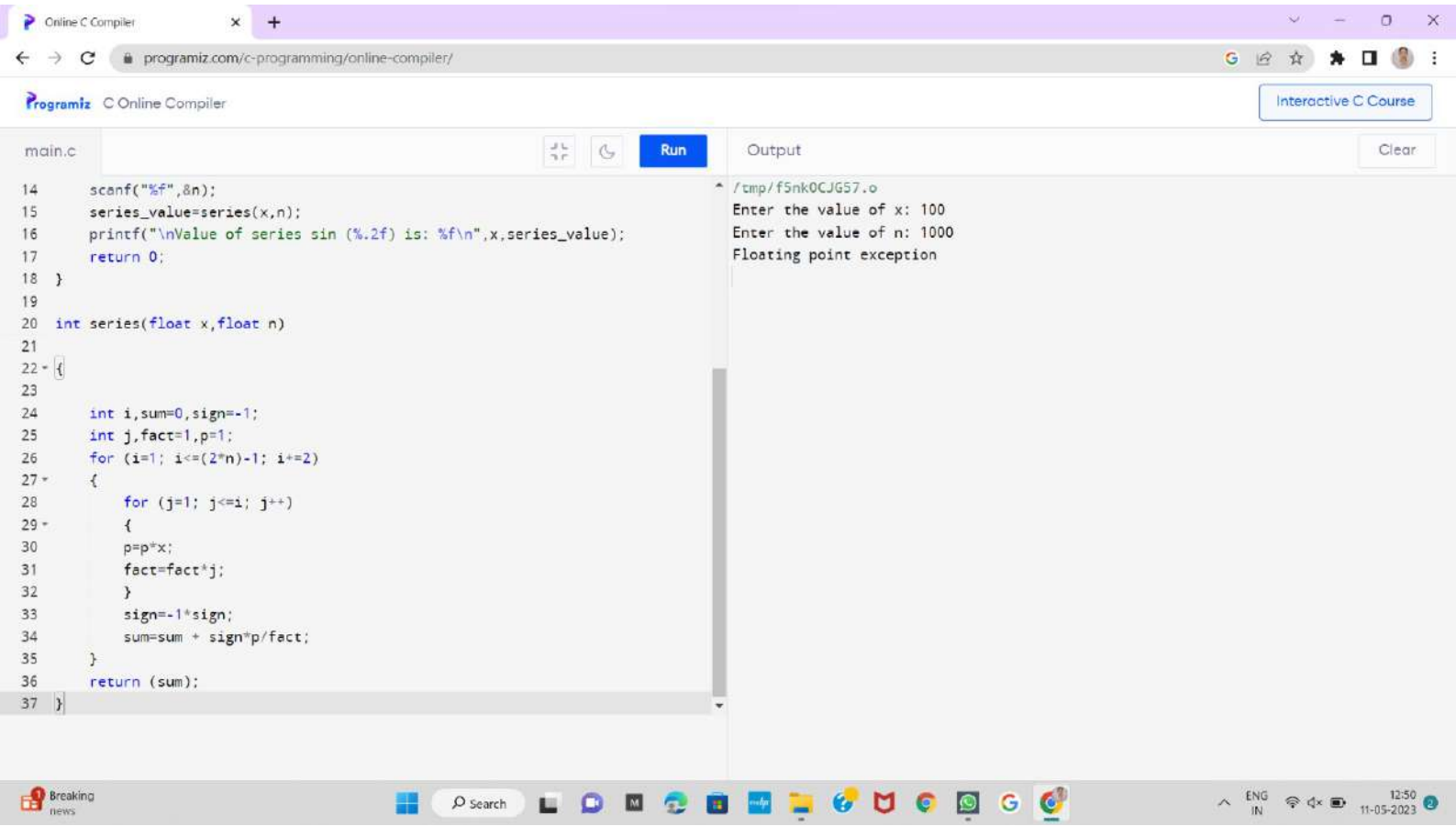
main.c
Run
Output
Clear
11
12 printf("Enter the number of the terms in a series\n");
13 scanf("%d", &n);
14 printf("Enter the value of x(in degrees)\n");
15 scanf("%f", &x);
16 x1 = x;
17 /* Degrees to radians */
18 x = x * (3.142 / 180.0);
19 cosx = 1;
20 sign = -1;
21 for (i = 2; i <= n; i = i + 2)
22 {
23 fact = 1;
24 for (j = 1; j <= i; j++)
25 {
26 fact = fact * j;
27 }
28 cosx = cosx + (pow(x, i) / fact) * sign;
29 sign = sign * (-1);
30 }
31 printf("Sum of the cosine series = %7.2f\n", cosx);
32 printf("The value of cos(%d) using library function = %f\n", x1,
33 cos(x));
34 }
/tmp/f5nk0CJG57.o
Enter the number of the terms in a series
60
Enter the value of x(in degrees)
78
Sum of the cosine series = 0.21
The value of cos(78) using library function = 0.207739
USDINR
-0.20%
Search
ENG
IN
12:52
11-05-2023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main.c
Run
Output
Clear
14 scanf("%f",&n);
15 series_value=series(x,n);
16 printf("\nValue of series sin (%.2f) is: %f\n",x,series_value);
17 return 0;
18 }
19
20 int series(float x,float n)
21
22 {
23
24 int i,sum=0,sign=-1;
25 int j,fact=1,p=1;
26 for (i=1; i<=(2*n)-1; i+=2)
27 {
28 for (j=1; j<=i; j++)
29 {
30 p=p*x;
31 fact=fact*j;
32 }
33 sign=-1*sign;
34 sum=sum + sign*p/fact;
35 }
36 return (sum);
37 }
/tmp/f5nk0CJG57.o
Enter the value of x: 100
Enter the value of n: 1000
Floating point exception
Breaking news
Search
ENG IN
12:50
11-05-2023

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main.c

Run

```c
#include<stdio.h>
void main()
{
int maximum(int a[],int n);
int max,i,n;
int a[50];
printf("Enter n number:");
scanf("%d",&n);
printf("Enter the numbers:");
for(i=0;i<n;i++)
scanf("%d",&a[i]);
max=maximum(a,n);
printf("The largest number is %d",max);
}
int maximum(int a[],int n)
{
int i,m=0;
for(i=0;i<n;i++)
{
if(a[i]>m)
m=a[i];
}
return m;
}
```

Output

Clear

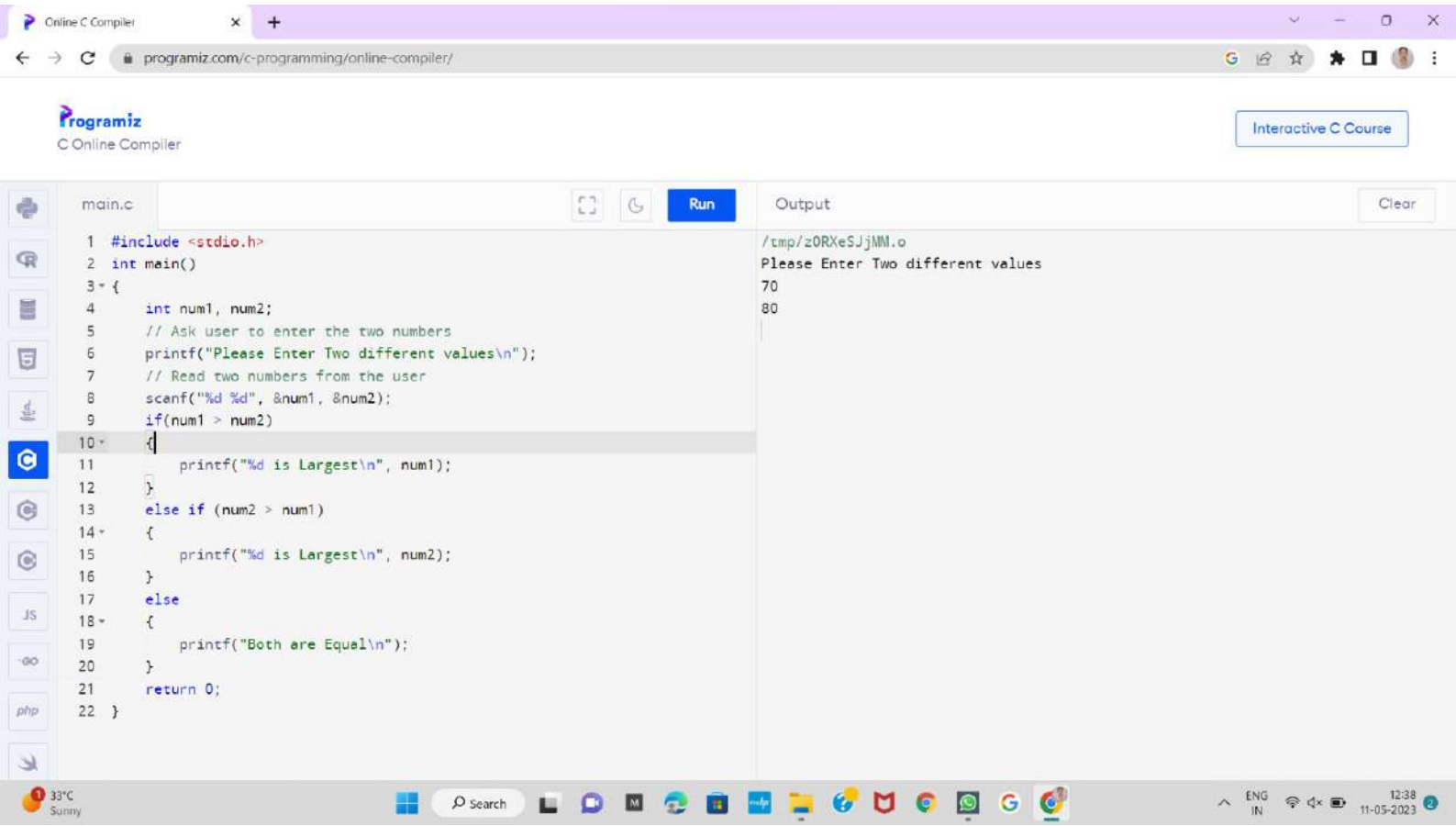
```
/tmp/f5nk0CJG57.o
Enter n number:40
Enter the numbers:1,2
The largest number is 1
```

33°C
Sunny

Search

ENG
IN

12:44
11-05-2023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main.c
Run
Output
Clear
#include <stdio.h>
int main()
{
int num1, num2;
// Ask user to enter the two numbers
printf("Please Enter Two different values\n");
// Read two numbers from the user
scanf("%d %d", &num1, &num2);
if(num1 > num2)
{
printf("%d is Largest\n", num1);
}
else if (num2 > num1)
{
printf("%d is Largest\n", num2);
}
else
{
printf("Both are Equal\n");
}
return 0;
}
/tmp/z0RXeSJjMM.o
Please Enter Two different values
70
80
33°C
Sunny
Search
ENG
IN
12:38
11-05-2023

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main.c

Run

```c
#include <stdio.h>

int main()
{
    //variable declarations
    int a,b;

    //Input values
    printf("Enter the value of a: ");
    scanf("%d",&a);
    printf("Enter the value of b: ");
    scanf("%d",&b);

    //Numbers before swapping
    printf("Before swapping... a: %d, b: %d\n",a,b);

    //swapping numbers
    a = a+b;    //step 1
    b = a-b;    //step 2
    a = a-b;    //step 3

    //Numbers after swapping
    printf("After swapping...  a: %d, b: %d\n",a,b);

    return 0;
```

Output

Clear

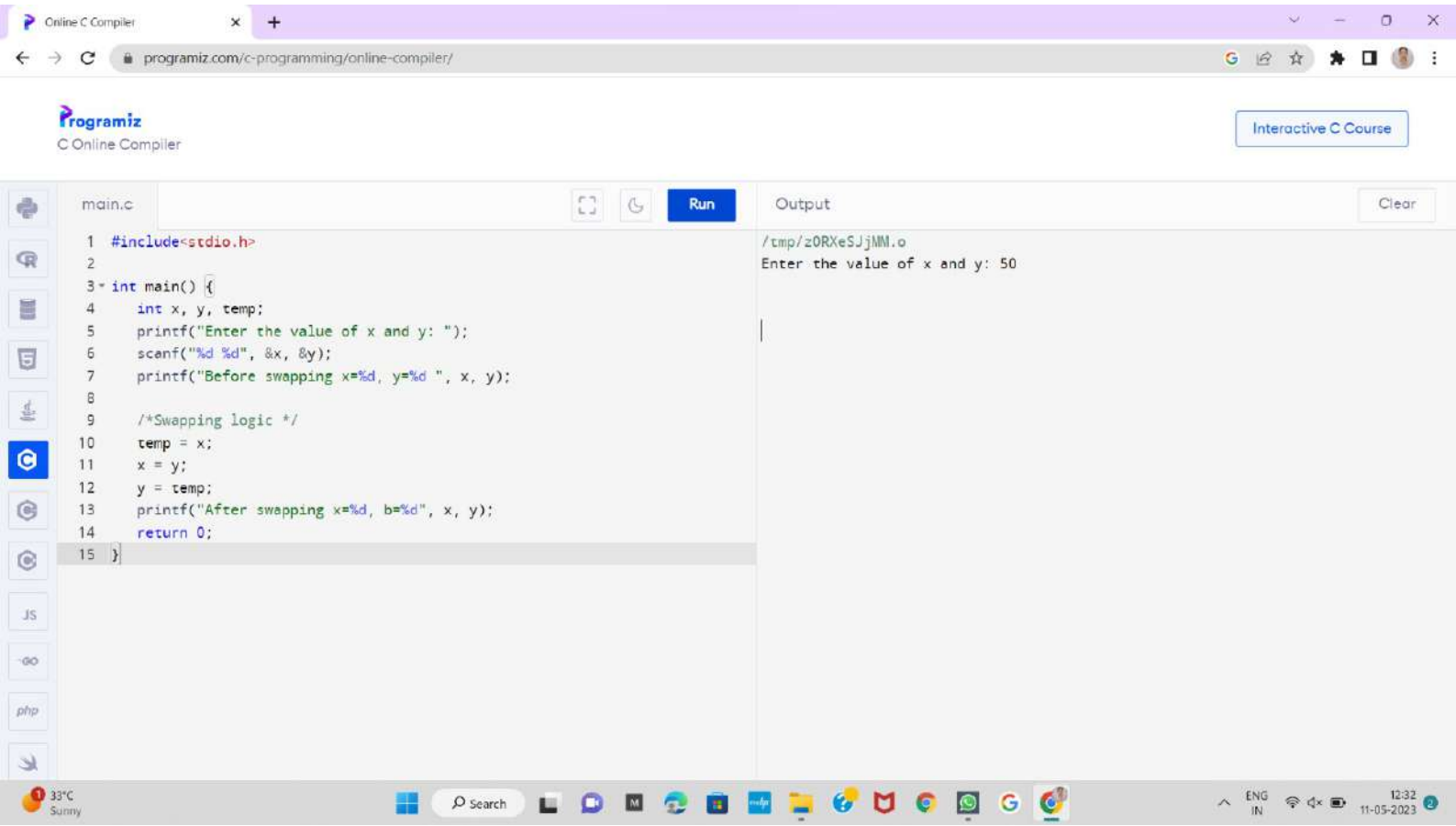
```
/tmp/z0RXeSJjMM.o
Enter the value of a: 55
Enter the value of b: 50
Before swapping... a: 55, b: 50
After swapping...  a: 50, b: 55
```

33°C Sunny

Search

ENG IN

12:36 11-05-2023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main.c
Run
Output
Clear
#include<stdio.h>
int main() {
int x, y, temp;
printf("Enter the value of x and y: ");
scanf("%d %d", &x, &y);
printf("Before swapping x=%d, y=%d ", x, y);
/*Swapping logic */
temp = x;
x = y;
y = temp;
printf("After swapping x=%d, b=%d", x, y);
return 0;
}
/tmp/z0RXeSJjMM.o
Enter the value of x and y: 50
33°C
Sunny
Search
ENG
IN
12:32
11-05-2023

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main.c

Run

```c
#include<stdio.h>
int main()
{
    int num;
    printf("Enter number:");
    scanf("%d", &num);
    if(num>0)
    printf("The number %d is Positive",num);
    else if(num==0)
    printf("The number %d is Negative",num);
    return 0;
    }
```

Output

Clear

```
/tmp/z0RXeSJjMM.o
Enter number:66
The number 66 is Positive
```

Breaking news

Search

ENG
IN

12:30
11-05-2023

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main.c

Run

```c
#include <stdio.h>
int main() {
    int num;
    printf("Enter an integer: ");
    scanf("%d", &num);

    // true if num is perfectly divisible by 2
    if(num % 2 == 0)
        printf("%d is even.", num);
    else
        printf("%d is odd.", num);

    return 0;
}
```

Output

Clear

```
/tmp/z0RXeSJjMM.o
Enter an integer: 80
80 is even.
```

33°C
Sunny

Search

ENG
IN

12:27
11-05-2023

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main.c

Run

Output

Clear

```c
#include <stdio.h>

int main() {

  int n, reverse = 0, remainder;

  printf("Enter an integer: ");
  scanf("%d", &n);

  while (n != 0) {
    remainder = n % 10;
    reverse = reverse * 10 + remainder;
    n /= 10;
  }

  printf("Reversed number = %d", reverse);

  return 0;
}
```

```
/tmp/rGthuug4zp.o
Enter an integer: 2
Reversed number = 2
```

36°C
Mostly sunny

Search

ENG
IN

13:24
09-05-2023

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main.c

Run

Output

Clear

```c
#include <stdio.h>

int main() {

  int n, reverse = 0, remainder;

  printf("Enter an integer: ");
  scanf("%d", &n);

  while (n != 0) {
    remainder = n % 10;
    reverse = reverse * 10 + remainder;
    n /= 10;
  }

  printf("Reversed number = %d", reverse);

  return 0;
}
```

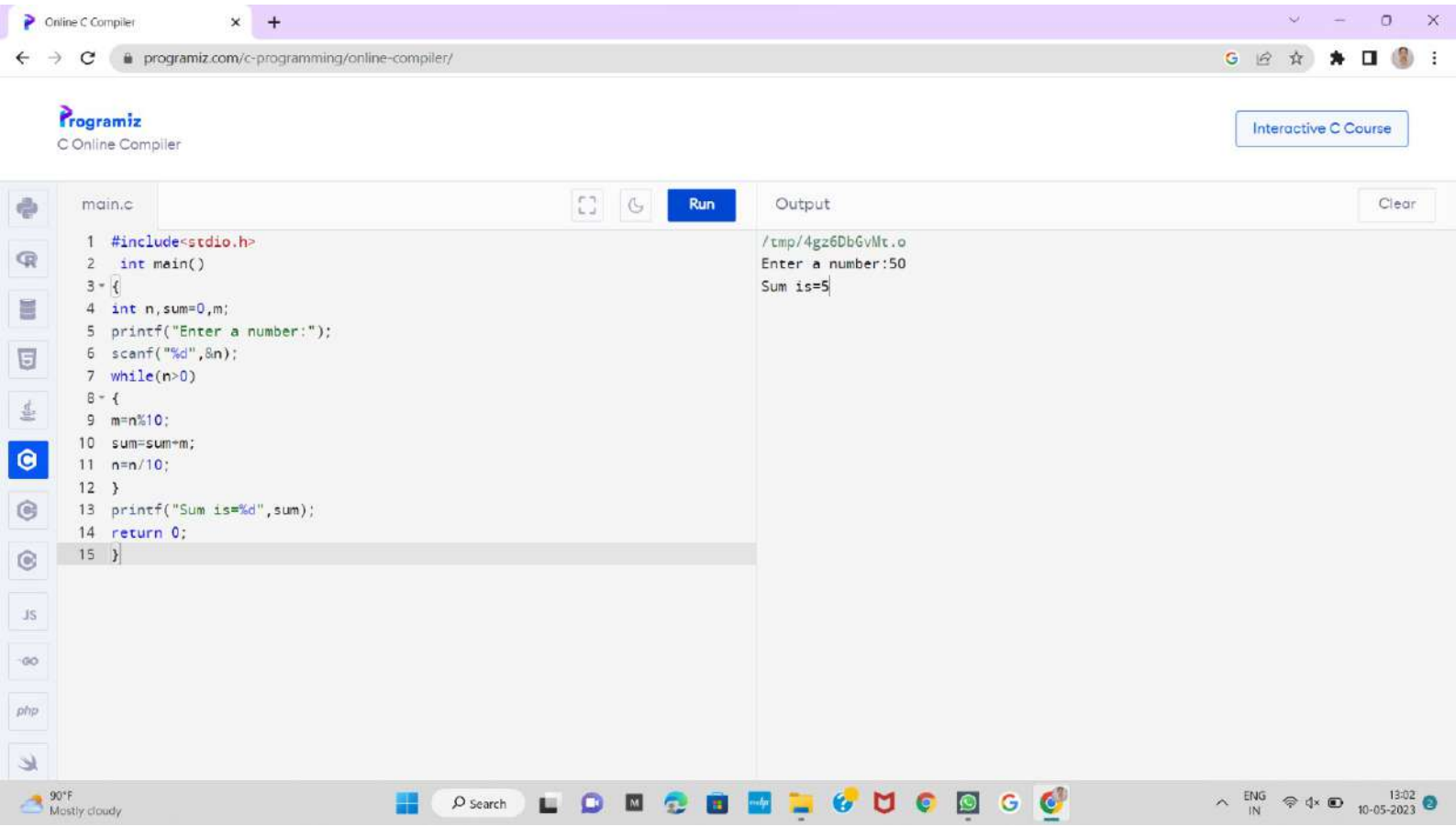
```
/tmp/rGthuug4zp.o
Enter an integer: 2
Reversed number = 2
```

36°C
Mostly sunny

Search

ENG
IN

13:24
09-05-2023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main.c
Run
Output
Clear
#include<stdio.h>
int main()
{
int n,sum=0,m;
printf("Enter a number:");
scanf("%d",&n);
while(n>0)
{
m=n%10;
sum=sum+m;
n=n/10;
}
printf("Sum is=%d",sum);
return 0;
}
/tmp/4gz6DbGvMt.o
Enter a number:50
Sum is=5
JS
GO
php
90°F
Mostly cloudy
Search
ENG
IN
13:02
10-05-2023

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main.c

Run

```c
#include<stdio.h>

int main()
{
    int n, i;
    float sum = 0, avg, num;

    printf("Enter number of elements:  ");
    scanf("%d", &n);
    printf("\nEnter %d elements\n", n);
    for(i = 0; i < n; i++)
    {
        scanf("%f", &num);
        sum = sum + num;
    }
    avg = sum / n;
    printf("\nAverage of numbers is %f", avg);

    return 0;
}
```

Output

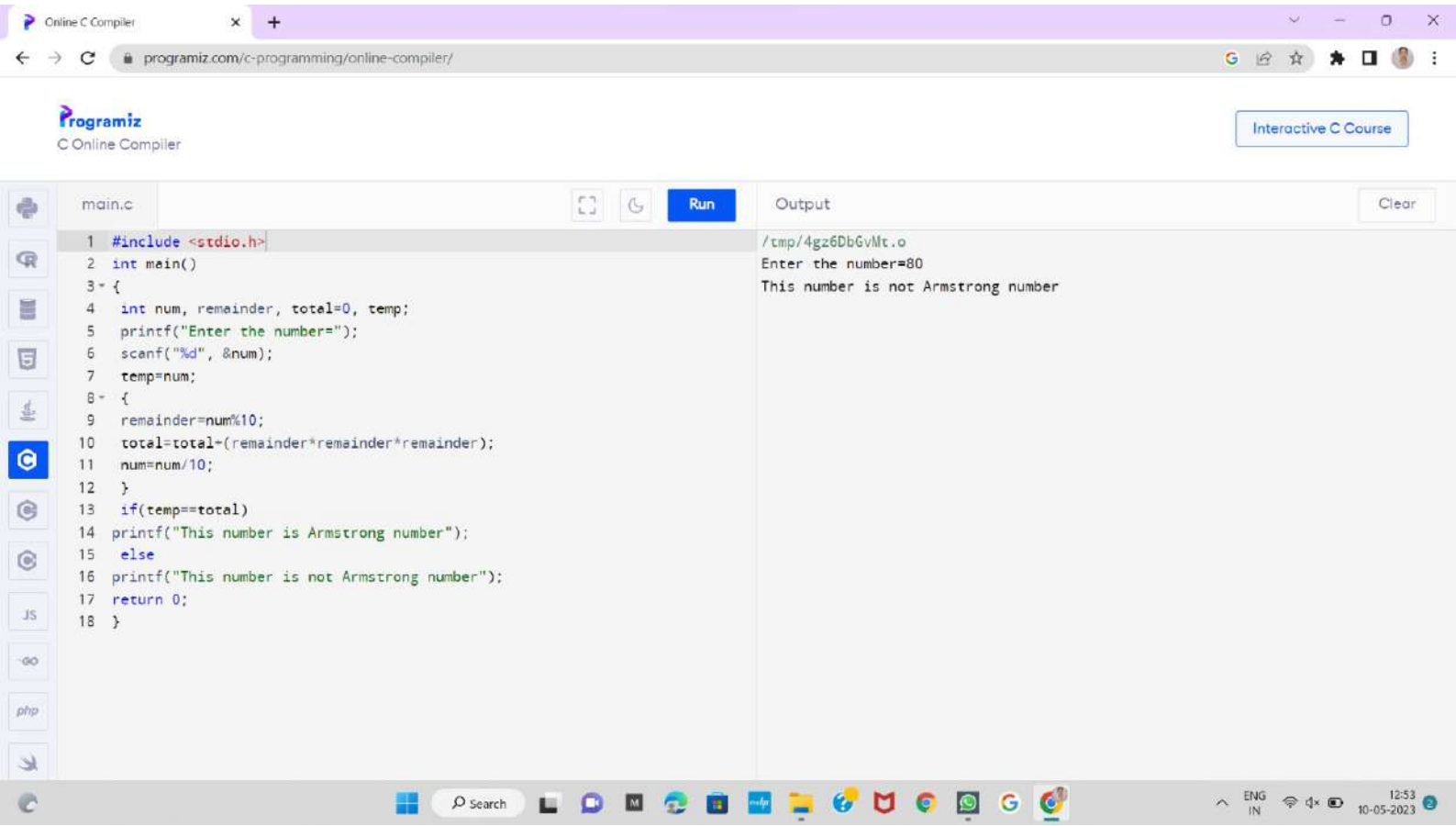
Clear

```
/tmp/4gz6DbGvMt.o
Enter number of elements:  66
Enter 66 elements
```

Search

ENG
IN

12:55
10-05-2023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main.c
Run
Output
Clear
#include <stdio.h>
int main()
{
int num, remainder, total=0, temp;
printf("Enter the number=");
scanf("%d", &num);
temp=num;
{
remainder=num%10;
total=total+(remainder*remainder*remainder);
num=num/10;
}
if(temp==total)
printf("This number is Armstrong number");
else
printf("This number is not Armstrong number");
return 0;
}
/tmp/4gz6DbGvMt.o
Enter the number=80
This number is not Armstrong number
Search
ENG
IN
12:53
10-05-2023

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main.c

Run

```c
#include<stdio.h>
int main()
{
 int i,fact=1,number;
 printf("Enter a number: ");
  scanf("%d",&number);
    for(i=1;i<=number;i++){
      fact=fact*i;
  }
  printf("Factorial of %d is: %d",number,fact);
return 0;
}
```

Output

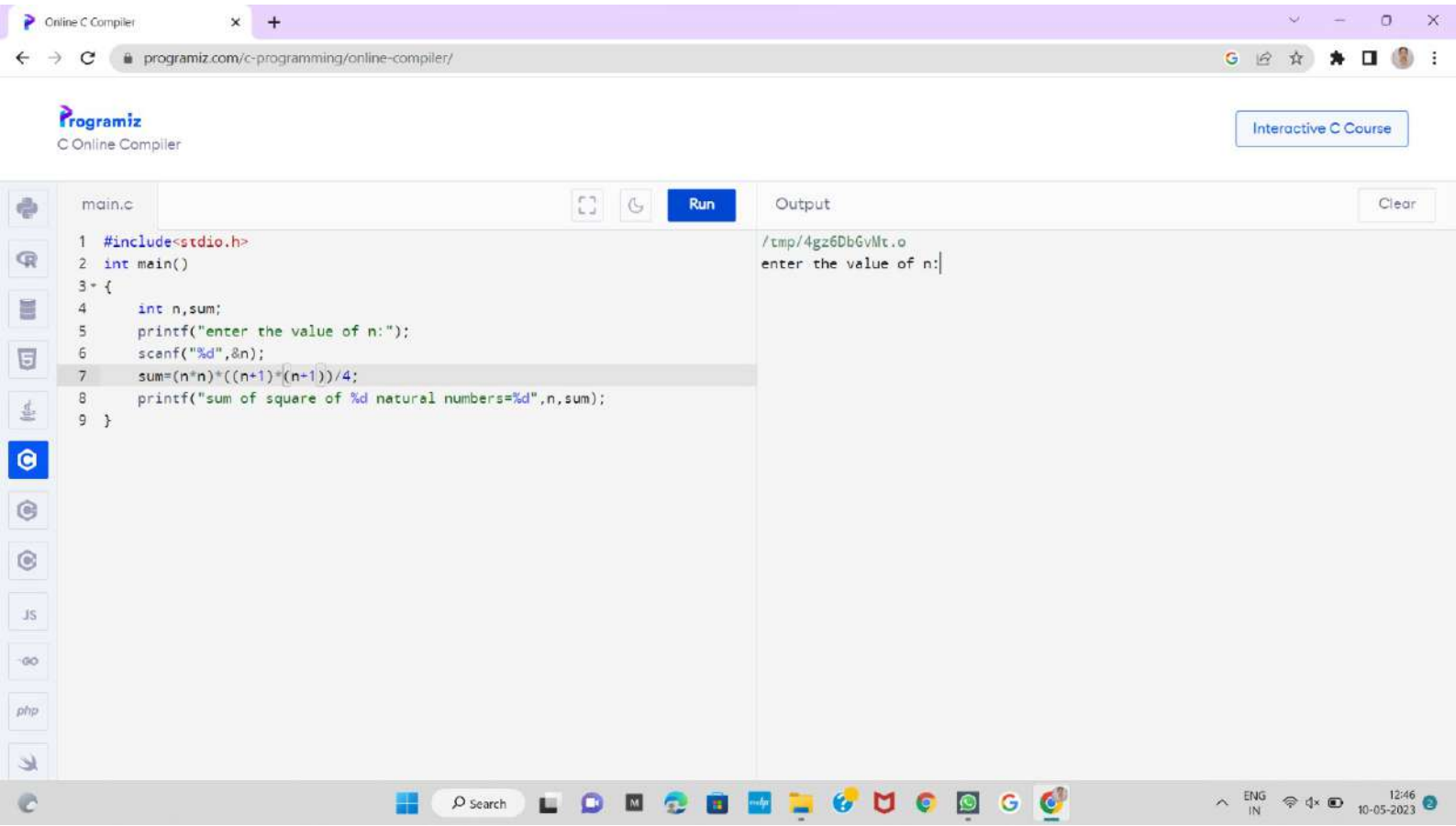
Clear

```
/tmp/4gz6DbGvMt.o
Enter a number:12
Factorial of 2 is: 2
```

Search

ENG
IN

12:50
10-05-2023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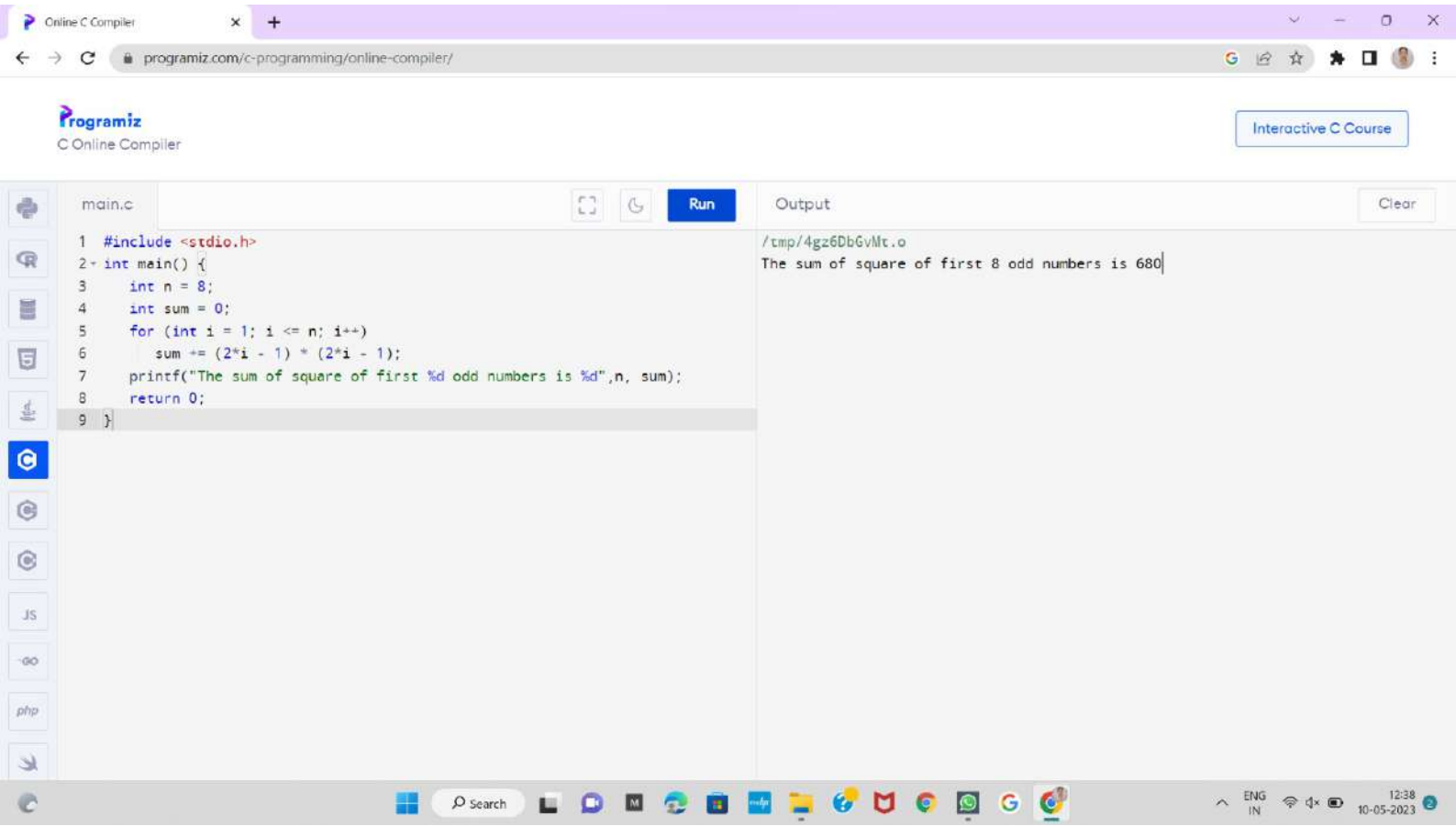
main.c
Run
Output
Clear
#include<stdio.h>
int main()
{
int n,sum;
printf("enter the value of n:");
scanf("%d",&n);
sum=(n*n)*((n+1)*(n+1))/4;
printf("sum of square of %d natural numbers=%d",n,sum);
}
/tmp/4gz6DbGvMt.o
enter the value of n:
JS
go
php
Search
ENG
IN
12:46
10-05-2023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main.c
Run
Output
Clear
#include <stdio.h>
int main() {
int n = 8;
int sum = 0;
for (int i = 1; i <= n; i++)
sum += (2*i - 1) * (2*i - 1);
printf("The sum of square of first %d odd numbers is %d",n, sum);
return 0;
}
/tmp/4gz6DbGvMt.o
The sum of square of first 8 odd numbers is 680
Search
ENG
IN
12:38
10-05-2023