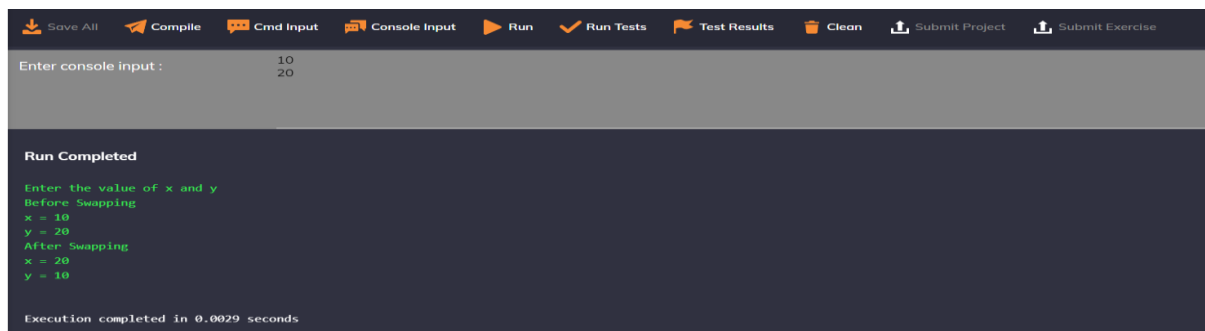


10. Write a C Program – using pointers To Swap the Values of Two Variables.

```
#include <stdio.h>

int main()
{
    int x, y, *a, *b, temp;
    printf("Enter the value of x and y\n");
    scanf("%d%d", &x, &y);
    printf("Before Swapping\nx = %d\ny = %d\n", x, y);
    a = &x;
    b = &y;
    temp = *b;
    *b = *a;
    *a = temp;
    printf("After Swapping\nx = %d\ny = %d\n", x, y);
    return 0;
}
```

Output:



The screenshot shows a C program being executed in an IDE. The top toolbar includes buttons for Save All, Compile, Cmd Input, Console Input, Run, Run Tests, Test Results, Clean, Submit Project, and Submit Exercise. The console input area shows 'Enter console input : 10 20'. The output area, titled 'Run Completed', shows the following text: 'Enter the value of x and y', 'Before Swapping', 'x = 10', 'y = 20', 'After Swapping', 'x = 20', 'y = 10'. At the bottom, it states 'Execution completed in 0.0029 seconds'.

```
Save All  Compile  Cmd Input  Console Input  Run  Run Tests  Test Results  Clean  Submit Project  Submit Exercise

Enter console input :      10
                        20

Run Completed

Enter the value of x and y
Before Swapping
x = 10
y = 20
After Swapping
x = 20
y = 10

Execution completed in 0.0029 seconds
```