

# Sonargaon University

Department of Computer Science and Engineering



## Assignment 1

**Course Title:** Computer Graphics Sessional

**Course Code:** CSE414

**Date of Submission:** 24/09/25

Submitted By	Submitted To
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## Code

```
[*] 2ndAssig.cpp
1 #include <graphics.h>
2
3 int main() {
4
5     int gd = DETECT, gm;
6     initgraph(&gd, &gm, "");
7
8     int x = getmaxx();
9     int y = getmaxy();
10
11    rectangle(50, 50, x - 50, y - 50);
12
13    int midx = (50 + (x - 50)) / 2;
14    int midy = (50 + (y - 50)) / 2;
15
16    line(50, midy, x - 50, midy);
17    line(midx, 50, midx, y - 50);
18
19    line(50, 50, x - 50, y - 50);
20    line(50, y - 50, x - 50, 50);   
21
22    outtextxy(200, 20, "Name: Tofayel Ahamed Tofo");
23
24    getch();
25    closegraph();
26    return 0;
27 }
```

## Output

The screenshot shows a C++ IDE interface with two main windows. On the left, the code editor window displays the file '2ndAssig.cpp' containing the following code:

```
1 #include <graphics.h>
2
3 int main() {
4
5     int gd = DETECT, gm;
6     initgraph(&gd, &gm, "");
7
8     int x = getmaxx();
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11    rectangle(50, 50, x - 50, y - 50);
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13    int midx = (50 + (x - 50)) / 2;
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15
16    line(50, midy, x - 50, midy);
17    line(midx, 50, midx, y - 50);
18
19    line(50, 50, x - 50, y - 50);
20    line(50, y - 50, x - 50, 50);
21
22    outtextxy(200, 20, "Name: Tofayel");
23
24    getch();
25    closegraph();
26    return 0;
27
28 }
```

On the right, a window titled 'Windows BGI' shows the output of the program. The window title bar says 'Windows BGI'. Inside, the text 'Name: Tofayel Aham Tofo' is displayed above a square frame. The square is divided into four quadrants by a white cross (two diagonals). The entire program and its output are contained within a light gray border.