Lab Report

Course Title: Computer Graphics Lab
Course Code: CSE-4742

Spring-2022

Lab No: 1

Name of Labworks:

1. Install code block for graphics programming
2. Draw a line, circle, rectangle.
3. Draw text "Hello world" with large font size and colorful.

Student's ID : C191050

Date of Submission : 25-08-2022

Marks :

Name of Lab 1.1: Draw Line .

Source Code:

```c
/*C graphics program to draw a line.*/

#include <graphics.h>
#include <conio.h>



main()
{
   int gd = DETECT, gm;

   //init graphics
   initgraph(&gd, &gm, (char*) "");



   line(225,40,50,40);    //will draw a horizontal line

   getch();
   closegraph();
   return 0;
}
```

Result:
Input: 225,40,50,40

Output:

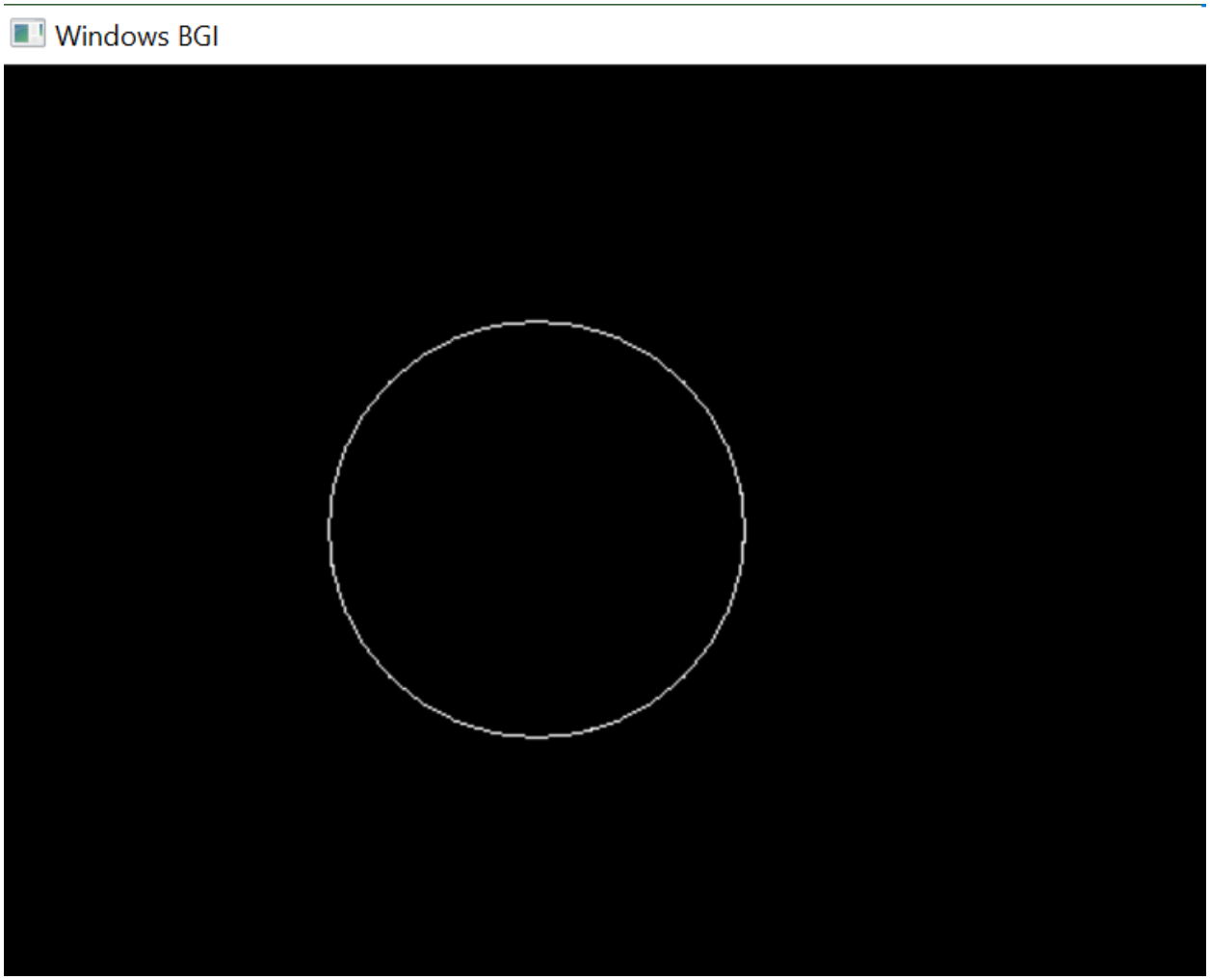
Name of Lab 1.2: Draw a Circle.

Source Code:

```
/*C graphics program to draw a line.*/
#include <graphics.h>
#include <conio.h>
main()
{
    int gd = DETECT, gm;

    //init graphics
    initgraph(&gd, &gm, (char*) "");

    circle(230,200,90);


    getch();
    closegraph();
    return 0;
}
```

Result:
Input:230,200,90

Output:

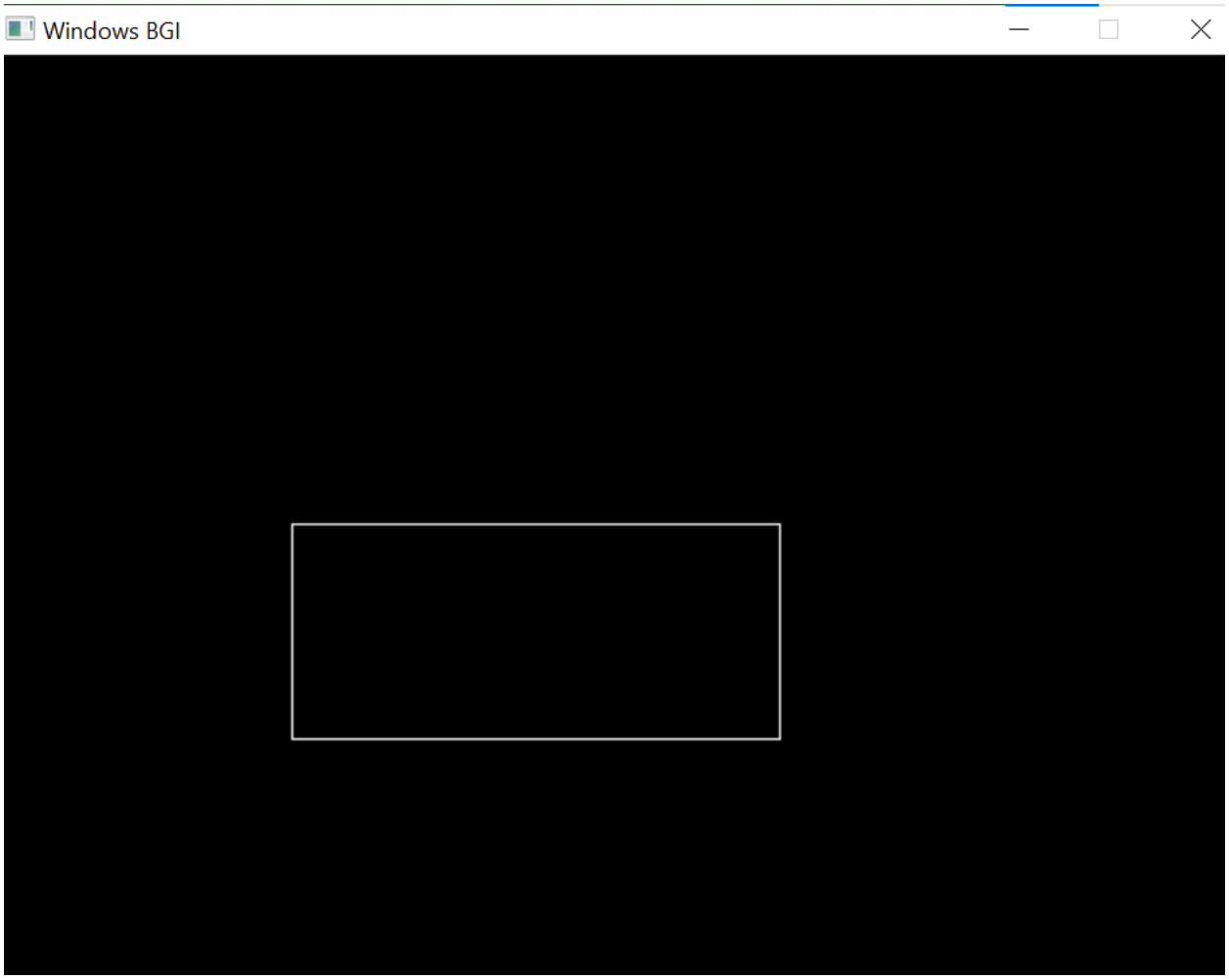


Name of Lab 1.3: Draw a Rectangle.

Source Code:

```c
/*C graphics program to draw a Rectangle.*/
#include <graphics.h>
#include <conio.h>
main()
{
    int gd = DETECT, gm;

    //init graphics
    initgraph(&gd, &gm, (char*) "");

// rectangle left top right bottom

    rectangle(150, 240, 400,350);



    getch();
    closegraph();
    return 0;
}
```

Result:
Input:150, 240, 400,350
Output:



Name of Lab 2: Draw text "Hello world" with large font size and colorful.
Source Code:

```c
/*C graphics program to draw a colorful Text.*/
#include <graphics.h>
#include <conio.h>
main()
{
    int gd = DETECT, gm;

    //init graphics
    initgraph(&gd, &gm, (char*) "");
    // set text style as
    // settextstyle(font, orientation, size)
    setcolor(GREEN);
    settextstyle(1, HORIZ_DIR, 30);
    outtextxy(60, 70, "Hello World");
    getch();
    closegraph();
    return 0;
}
```

Result:
Input & Output:


Thank
You