

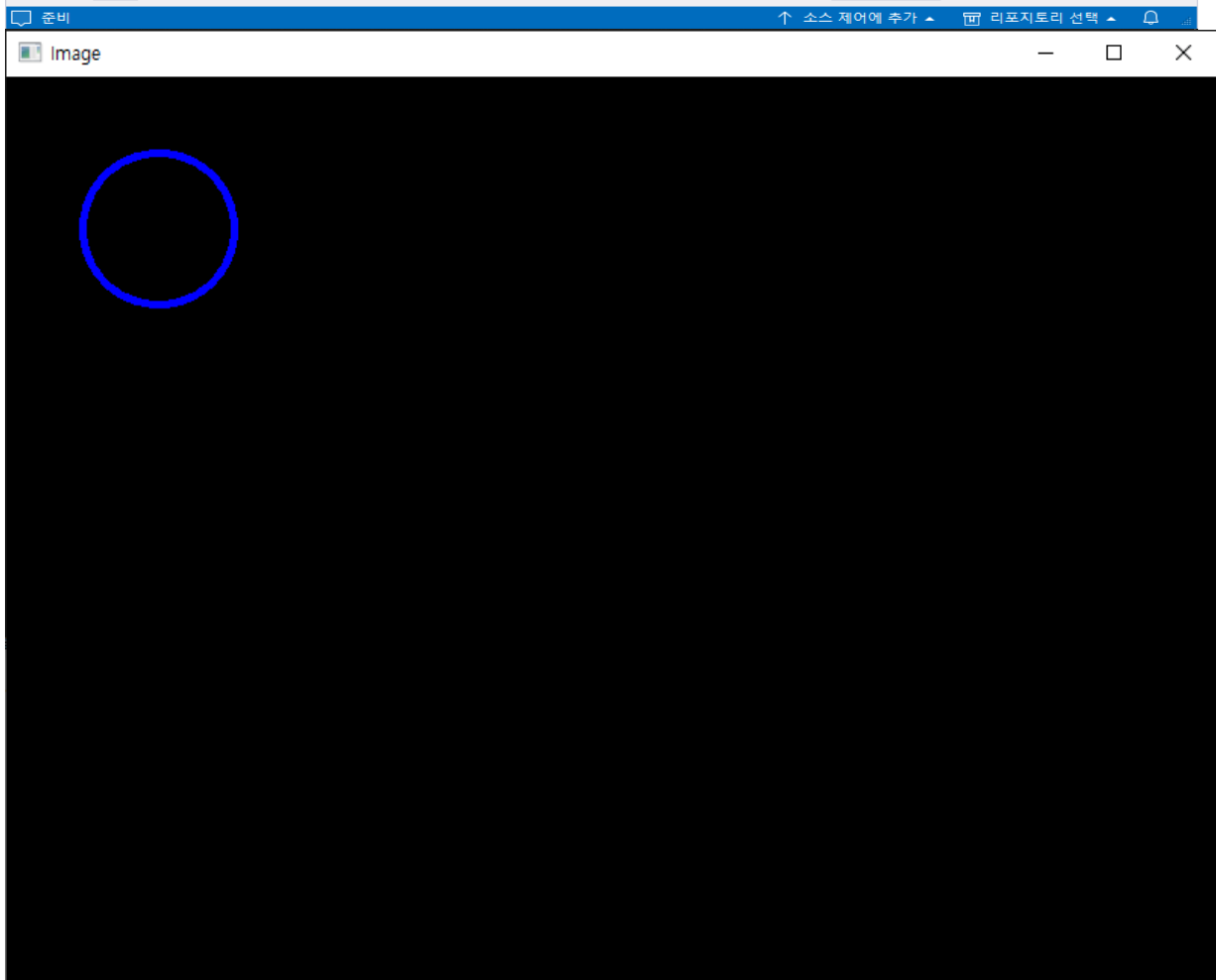
Visual Studio interface showing the source code of `과제.cpp` (Project.cpp) and the Output window.

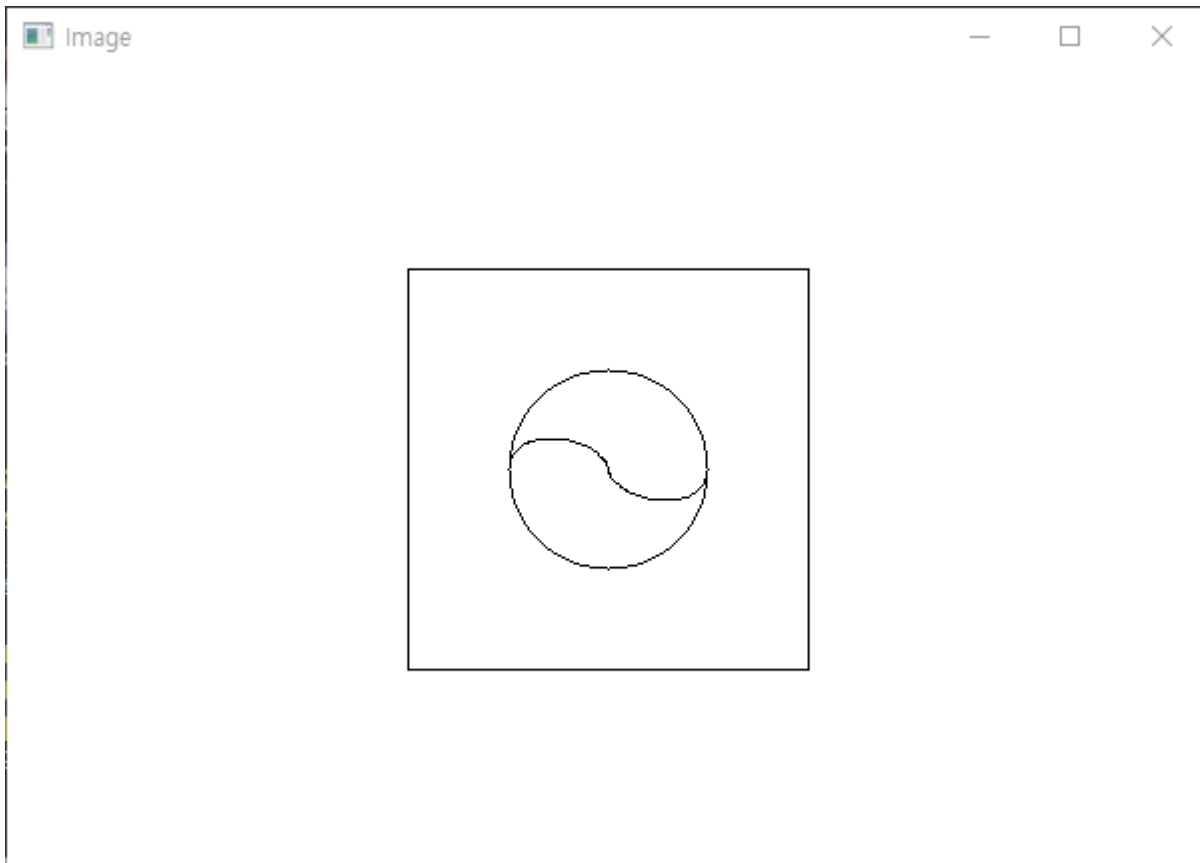
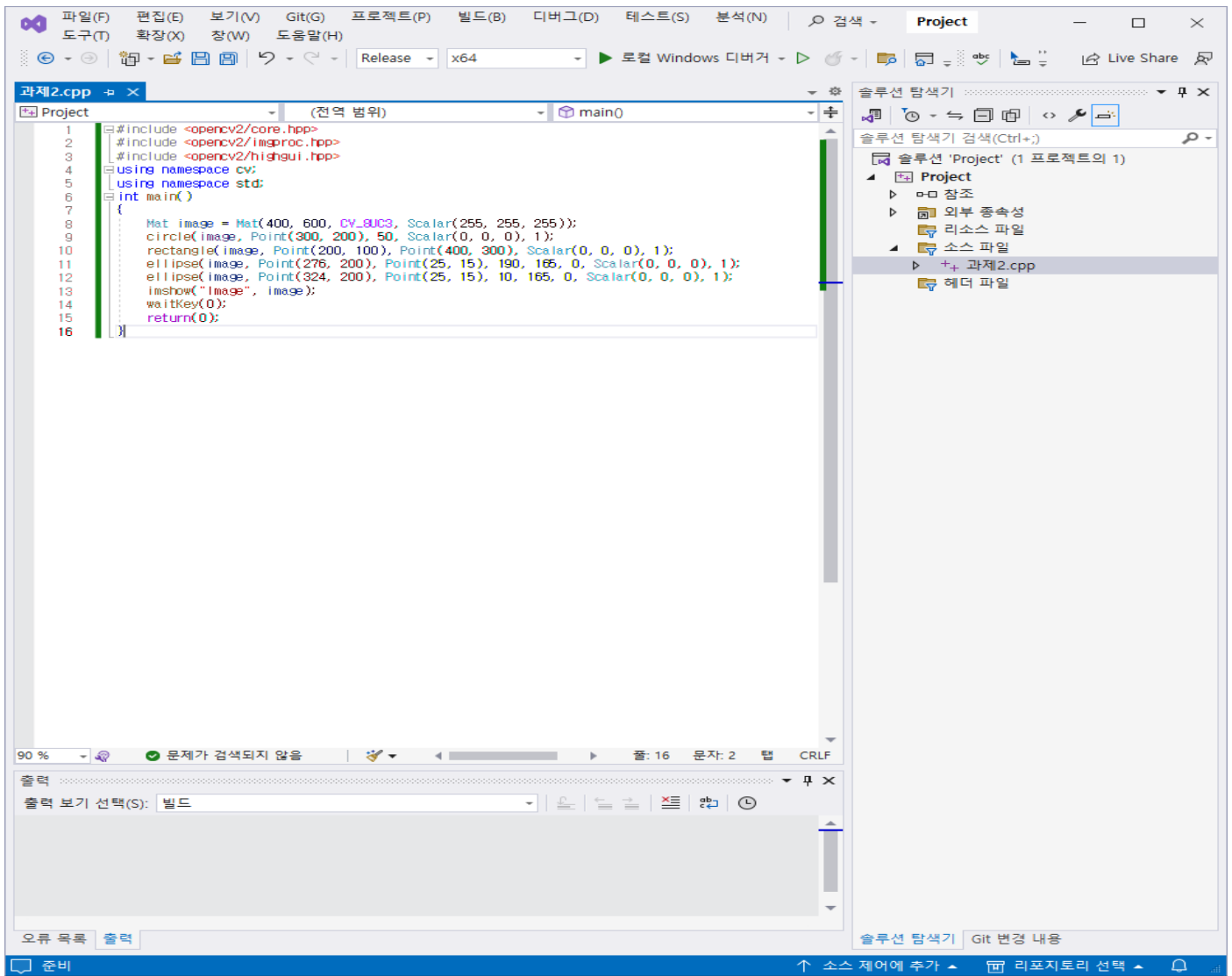
Source Code (과제.cpp):

```
1 #include <opencv2/core.hpp>
2 #include <opencv2/imgproc.hpp>
3 #include <opencv2/highgui.hpp>
4 using namespace cv;
5 using namespace std;
6 int main()
7 {
8     Mat image = Mat(600, 800, CV_8UC3, Scalar(0, 0, 0));
9     circle(image, Point(100, 100), 50, Scalar(255, 0, 0), 3);
10
11     imshow("Image", image);
12     waitKey(0);
13     return(0);
14 }
```

Output Window:

```
1> 0 functions had inline decision re-evaluated but remain unchanged
1>코드를 생성했습니다.
1>Project.vcxproj -> C:\Users\Chan's Victus\Documents\class\Project\64\Release\Project.exe
1>"Project.vcxproj" 프로젝트를 빌드했습니다.
===== 빌드: 1개 성공, 0개 실패, 0개 최신 상태, 0개 건너뛴 =====
===== 빌드이(가) 오후 3:57에 시작되었고 01.007 초이(가) 소요됨 =====
```





Visual Studio IDE showing the source code for '과제3.cpp' (Assignment 3.cpp) and the '출력' (Output) window.

Source Code (과제3.cpp):

```
1 #include <opencv2/opencv.hpp>
2 #include <iostream>
3 using namespace cv;
4 using namespace std;
5 // 마우스 이벤트가 발생하면 호출되는 콜백 함수이다.
6 void onMouse(int event, int x, int y, int flag, void* param)
7 {
8     if (event == EVENT_LBUTTONDOWN) {
9         Mat& img = *(Mat*)param;
10        circle(img, Point(x, y), 100, Scalar(0, 0, 0), 1);
11        imshow("src", img); // 영상이 변경되면 다시 표시한다.
12    }
13    else if (event == EVENT_RBUTTONDOWN) {
14        Mat& img = *(Mat*)param;
15        rectangle(img, Point(x, y), Point(x + 100, y + 100), Scalar(0, 0, 0), 1);
16        imshow("src", img);
17    }
18    else if (event == EVENT_MBUTTONDOWN) {}
19    else if (event == EVENT_MOUSEMOVE) {}
20 }
21
22 int main()
23 {
24     Mat src = Mat(600, 800, CV_8UC3, Scalar(255, 255, 255));
25
26     imshow("src", src);
27
28     setMouseCallback("src", onMouse, &src);
29     waitKey(0);
30     return 0;
31 }
```

Output Window (출력):

출력 보기 선택(S): 빌드

```
1> 0 functions had inline decision re-evaluated but remain unchanged
1> 코드를 생성했습니다.
1> Project.vcxproj -> C:\Users\Chan's Victus\Documents\class\Project\Release\Project.exe
1> "Project.vcxproj" 프로젝트를 빌드했습니다.
===== 빌드: 1개 성공, 0개 실패, 0개 최신 상태, 0개 건너뛸 =====
===== 빌드이(가) 오후 4:28에 시작되었고 01.909 초이(가) 소요됨 =====
```

