

QUIZ:

Write required functions to calculate the Integration and Derivation.

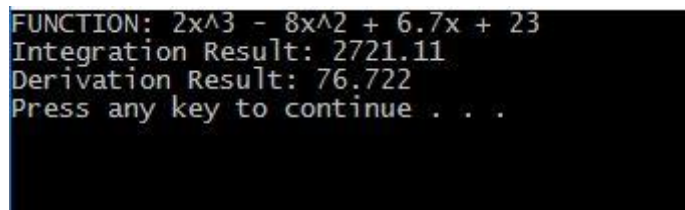
```
double PolyFunction(double x);

double Integrate(double lowerBound, double upperBound, double dx = 0.001);

double Derivative(double derivation_point, double h = 0.001);

int main()
{
    cout << "FUNCTION: 2x^3 - 8x^2 + 6.7x + 23" << endl;
    cout << "Integration Result: " << Integrate(5, 10) << endl;
    cout << "Derivation Result: " << Derivative(5) << endl;
}
```

Sample Ouput:

A screenshot of a terminal window with a black background and white text. The output shows the function definition, the integration result, the derivation result, and a prompt to press any key to continue.

```
FUNCTION: 2x^3 - 8x^2 + 6.7x + 23
Integration Result: 2721.11
Derivation Result: 76.722
Press any key to continue . . .
```