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# PROGRAMMING FUNDAMENTALS

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LAB 7



NOVEMBER 21, 2023

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## PROGRAM 1:

```
#include <iostream>
using namespace std;

int sum (int, int) ;
int main()
{
    int val1 = 20 ;
    int val2 = 40 ;
    int total ;
    total = sum (val1, val2) ;
    cout << "The sum of " << val1 << " and " << val2 << " is: " << total ;
    return 0 ;
}

int sum ( int a, int b)
{
    return a + b ;
}
```

## OUTPUT:

```
The sum of 20 and 40 is: 60
```

## PROGRAM 2:

```
#include <iostream>
using namespace std;

void displayMessage() ;

int main()
{
    displayMessage() ;
    return 0;
}

void displayMessage()
{
    cout << "Hello from the function display Message." << endl ;
}
```

## OUTPUT:

```
Hello from the function display Message.
```

## LAB TASK

### PROGRAM:

```
#include <iostream>
using namespace std;

float volume_of_sphere(float radius) {
    float volume = (4.0 / 3.0) * 3.1415 * radius * radius * radius;
    return volume;
}

int main() {
    float radius;
    cout << "Enter the radius of a sphere: ";
    cin >> radius;
    float volume = volume_of_sphere(radius);
    cout << "The volume of a sphere is: " << volume << endl;
    return 0;
}
```

### OUTPUT:

```
Enter the radius of a sphere: 34
The volume of a sphere is: 164631
```

END