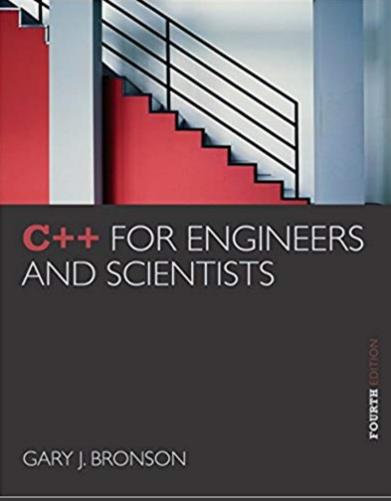
ELEG 1043

Computer Applications in Engineering





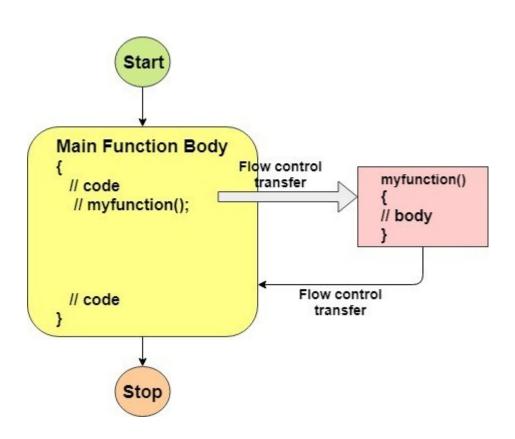
Lab Course 4



Acknowledgement

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Function



Exercise 1

 Write a function that is to add three numbers, and call this function in main function.

Answer

```
#include <iostream>
using namespace std;
//Called Function
int add(int num1, int num2, int num3)
{
     int sum = num1 + num2 + num3;
     return sum;
//Calling Function
int main()
{
     int num1 = 1, num2 = 2, num3 = 5;
     int sum = add(num1, num2, num3);
     cout<<"the value is "<<sum<<endl;</pre>
     return 0;
}
```

Exercise 2

 Write two functions with Function Overloading Technique. One function is to add two integer numbers, and the other is to add two double numbers.

Answer

```
#include <iostream>
using namespace std;
int add(int num1, int num2){
     int value = num1 + num2;
     return value;
}
double add(double num1, double num2){
     double value = num1 + num2;
     return value;
}
int main(){
int num1 = 1, num2 = 2;
cout<<add(num1, num2);</pre>
double dnum1 = 0.1, dnum2 = 0.3;
cout<<add(dnum1, dnum2);</pre>
}
```

Exercise 3

 Write a function that is to swap two numbers, and call this function in main function.

Answer

```
#include <iostream>
using namespace std;
void swapnum(int &i, int &j) {
 int temp = i;
 i = j;
 j = temp;
int main(void) {
 int a = 10;
 int b = 20;
 cout<<"A is "<<a<<" and B is "<<b<<endl;
 swapnum(a, b);
 cout<<"After swapping two numbers"<<endl;</pre>
 cout<<"A is "<<a<<" and B is "<<b<<endl;
 return 0;
```