_____

Sheet 2

Exercise 1:

```
#include <iostream>

using namespace std;

void main()

{
      int num1 , num2 ;

      cout<<"Enter two integers: ";

      cin>>num1>>num2;


      if(num1>num2){

            cout<<num1<<" Is The Larger"<<endl;

      }else if(num1<num2){

            cout<<num2<<" Is The Larger"<<endl;

      }else{

            cout<<"These numbers are equal"<<endl;

      }

}
```

Exercise 2:

```cpp
#include <iostream>

using namespace std;

void main()

{

    int num1 , num2 ;

    cout<<"Enter two integers: ";

    cin>>num1>>num2;


    if(num1>num2){

        cout<<num1<<" is larger than "<<num2<<endl;

    }else if(num1<num2){

        cout<<num2<<" is larger than "<<num1<<endl;

    }else{

        cout<<num2<<" is equal to "<<num1<<endl;

    }

}
```

Exercise 3:

```cpp
#include <iostream>

using namespace std;

void main()

{

    int num1 , num2 , num3 , sum, product, average, smallest, largest;

    cout<<"Enter three integers: ";

    cin>>num1>>num2>>num3;
```

```
sum         = num1 + num2 + num3;

product = num1 * num2 * num3;

average = (num1 + num2 + num3)/3;


// The Largest Number

if (num1 > num2 && num1 > num3){

      largest = num1;

}else{

      if (num2 > num3)

              largest = num2;

      else

              largest = num3;

}


// The Smallest Number

if (num1 < num2 && num1 < num3){

      smallest = num1;

}else{

      if (num2 < num3)

              smallest = num2;

      else

              smallest = num3;

}
```

```cpp
        cout<<"The Sum Is "<<sum<<endl;

        cout<<"The product Is "<<product<<endl;

        cout<<"The average Is "<<average<<endl;

        cout<<"The Largest Number Is "<<largest<<endl;

        cout<<"The Smallest Number Is "<<smallest<<endl;
}
```

Exercise 4:

```cpp
#include <iostream>

using namespace std;

void main()

{
        int num ;

        cout<<"Enter Your Number ";

        cin>>num;


        if(num%2==0){

                cout<<"The Number Is even"<<endl;

        }else{

                cout<<"The Number Is Odd"<<endl;

        }

}
```

Exercise 5:

```cpp
#include <iostream>

using namespace std;
```

```cpp
void main()

{

        int num ;

        cout<<"Enter Your Number ";

        cin>>num;



        if(num > 0){

                cout<<"The Number Is Positive"<<endl;

        }else if(num == 0){

                cout<<"The Number Is Zero and it's not positive or negative"<<endl;

        }else{

                cout<<"The Number Is Negative"<<endl;

        }

}
```

Exercise 6:

A➜ -The number is positive.

   -(empty)

   -The number is _____.

B,C➜ if(n > 0){

                cout<<"The Number Is Positive"<<endl;

        }else if(n == 0){

                cout<<"The Number Is Zero"<<endl;

        }else{

                cout<<"The Number Is Negative"<<endl;

```
        }
```

Exercise 7:

```
float income;

cout << "Enter your monthly income: ";

cin >> income;

if (income < 0.0)

cout << "You are going farther into debt every month." << endl;

else if (income >= 0.0)

cout << "You are living below the poverty line." << endl;

else if (income >= 1200.00)

cout << "You are living in moderate comfort." << endl;

else if (income >= 2500.00)

cout << "You are well off." << endl;
```

Exercise 8:

1-	BBB
	CCC
	DDD
2-	ZZZ
	AAA
3-	AAA
	BBB
	7

	CCC
	DDD
4-	AAA
	10
	BBB
	CCC
	1
	DDD
-6	DDD

Exercise 9:

danger

count = 5

Exercise 10:

Program	**Output**
Main() { cout<<16/5+12%9-8*5 <<endl; }	-34
main ( ) { cout<<19/3%2+12%10/5+2*2 <<endl;}	4

main( ) { cout<<20/3%2+12%5+2*3 <<endl; }	8
main () { cout<<11/3%3+15%7+2*4 <<endl; }	9
main ( ) { int d = 10 , c = 1 ; d%=c; cout<<d; }	0
main ( ) { int d = 10 , c = 3 ; d/=c; cout<<d; }	3