**Enums**

Enum or enumeration is a user-defined data type.  Enums have named constants that represent integral values.  Enums are used to make the program more readable and less complex. It lets us define a fixed set of possible values and later define variables having one of those values.

**Creating an Enum element**

We use the enum keyword to define the enum.

The syntax for defining a union is,

enum enum\_name

{

element1,

element2,

element3

};

Here’s one example of how a union is defined and used in main as a user-defined data type.

enum Meal

{

breakfast,

lunch,

dinner

};

**Initialising and using enum elements**

Since every enum element gets assigned a value to it, they could be used to compare if a particular variable store the same value.

#include <iostream>

using namespace std;

enum Meal

{

breakfast,

lunch,

dinner

};

int main()

{

Meal m1 = dinner;

if (m1 == 2)

{

cout << "The value of dinner is " << dinner << endl;

}

}