

Enumerated and Typedef

- Enum or enumerated data type is used to define user-defined datatype
- With the help of existing data type we can define our own data type this is called Enum
- To make the work faster codes are given to the words it is a common practise among us as well
- That code can be used in our programming to represent that particular word
- If there are a lot of numbers then they can be grouped together under one name that is enum
- The method of defining enum is

Ex :

```
enum days { mon , tue , wed , thurs , fri , sat , sun };
```

0	1	2	3	4	5	6
---	---	---	---	---	---	---

- Here you can access the values that are assigned to it already you cannot define your own values here

Ex:

- By default the index value assigned is 0 but you can change it if you want

```
enum dept { CS, IT , EEE , C IVIL };
```

1 2 3 4

- This feature and its usage is completely upto the programmer

Typedef :

- To give meaning full names to the variables typedef is used
- It is also used to define user define data type
- It is used for better readability of a program

Ex :

```
typedef int marks ;  
typedef int rollno ;
```

```
Int main( )  
{  
marks m1, m2, m3;
```

```
rollno r1 ,r2, r3;  
}
```