Enumerated data types

- An enumerated data type, also known as an enum type, is a data type that consists of a set of named values, or elements, that represent integral constants:
- An enumerated data type is defined by using the enum keyword and specifying the names of the enum members.
- **Use**
- Enumerated data types are used to represent a choice from a set of mutually exclusive values or a combination of choices. They are useful for variables that have a small number of possible values.
- **Examples**
- Examples of enumerated data types include the days of the week or a set of status values for a piece of data.
- **Benefits**
- Enumerated data types can make code more readable and maintainable. They can help avoid defining a long list of

```
void main()
{
enum language
{
a=100, b, c
 } ;
enum days
{
SUN, MON,TUE,
WED, THU, FRI, SAT
} ;
```

```
printf(“a :%d.  b:%d.  c:%d \n ",a,b,c);
printf("SUN:%d\n",SUN);
printf("MON:%d\n",MON);
printf("TUE:%d\n",TUE);
printf("WED:%d\n",WED);
printf("THU:%d\n",THU);
printf("FRI:%d\n",FRI);
printf("SAT:%d\n",SAT);
}
```