

# C Language

## enum



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# Agenda

- ① what is enumeration?
- ② Defining enum (Syntax)
- ③ usage

# enumeration

There are three ways to create custom data type in C language.

- ① struct
- ② union
- ③ enum

enum is a group of names given to integer constants, which makes a program easy to read and maintain

enum is a keyword

# Syntax

enum choice

```
{  
    no, yes  
};
```

enum status

```
{  
    not_started, started,  
    pause, resume, stop  
};
```

enum Direction

```
{  
    left = -1, right = 1,  
    up = 2, down = -2  
};
```

enum designation

```
{  
    manager, developer,  
    trainer, officeboy  
};
```

## Usage

```
enum week-day
```

```
{ sun, mon, tue, wed,  
  thu, fri, sat  
};
```

```
int main()
```

```
{ enum week-day today = tue;
```

```
  if (today == sun)
```

```
    printf("Today is holiday");
```

```
  else printf("work time");
```

```
  return 0;
```

```
}
```