

# Typedef & Enum

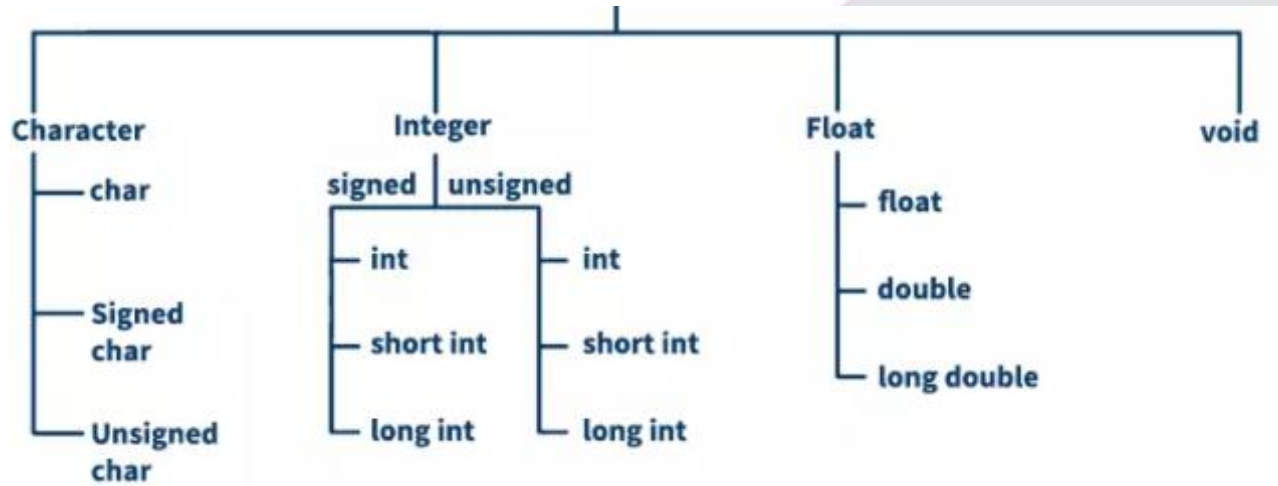
## CHAPTER 14



SURESH TECHS

C PROGRAMMING COURSE

# All Primary Data Types



## Secondary Data types

### User Defined

Structure

Union

Typedef

Enum

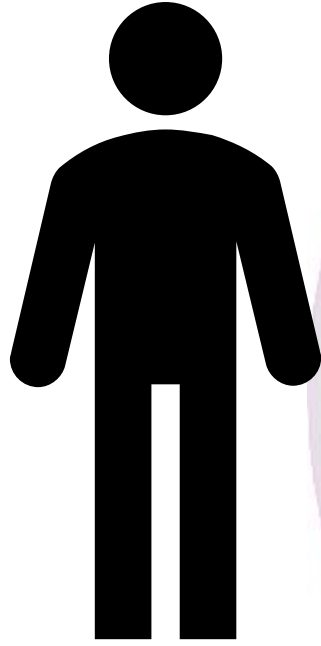
### Derived Data types

Array

String

Pointer

Functions



**Vira Venkata Vara Prasad**

**VVVP**

# typedef – type definition

- long int - lnt
- short int - sInt

- Allows user to define an **identifier** that would **represent** an **existing data type**.
- That identifier can **later be used to declare variables**.

typedef **type** **identifier**;

typedef oldname **newname**;

```
#include<stdio.h>
int main() {
    //used to give a nick name
    typedef short int sInt;
    sInt a=10,b=20;
    int sum = a+b;
    printf("%d",sum);
}
```

**Mostly used in structures...**

# Definition

- Typedef is used to **assign alternative names to the existing data types**
- Can also be used with **user defined data type**, which we will discuss later
- We will use it with **structures** and **unions** often

```
#include<stdio.h>
int main() {
    //used to give a nick name
    typedef short int sInt;
    sInt a=10,b=20;
    int sum = a+b;
    printf("%d",sum);
}
```

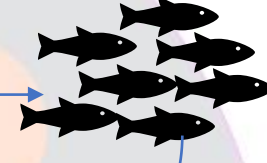
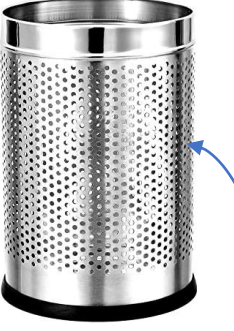


Enum

Will be discussed later

# 7 చేపల కథ

Sometimes we will stop!



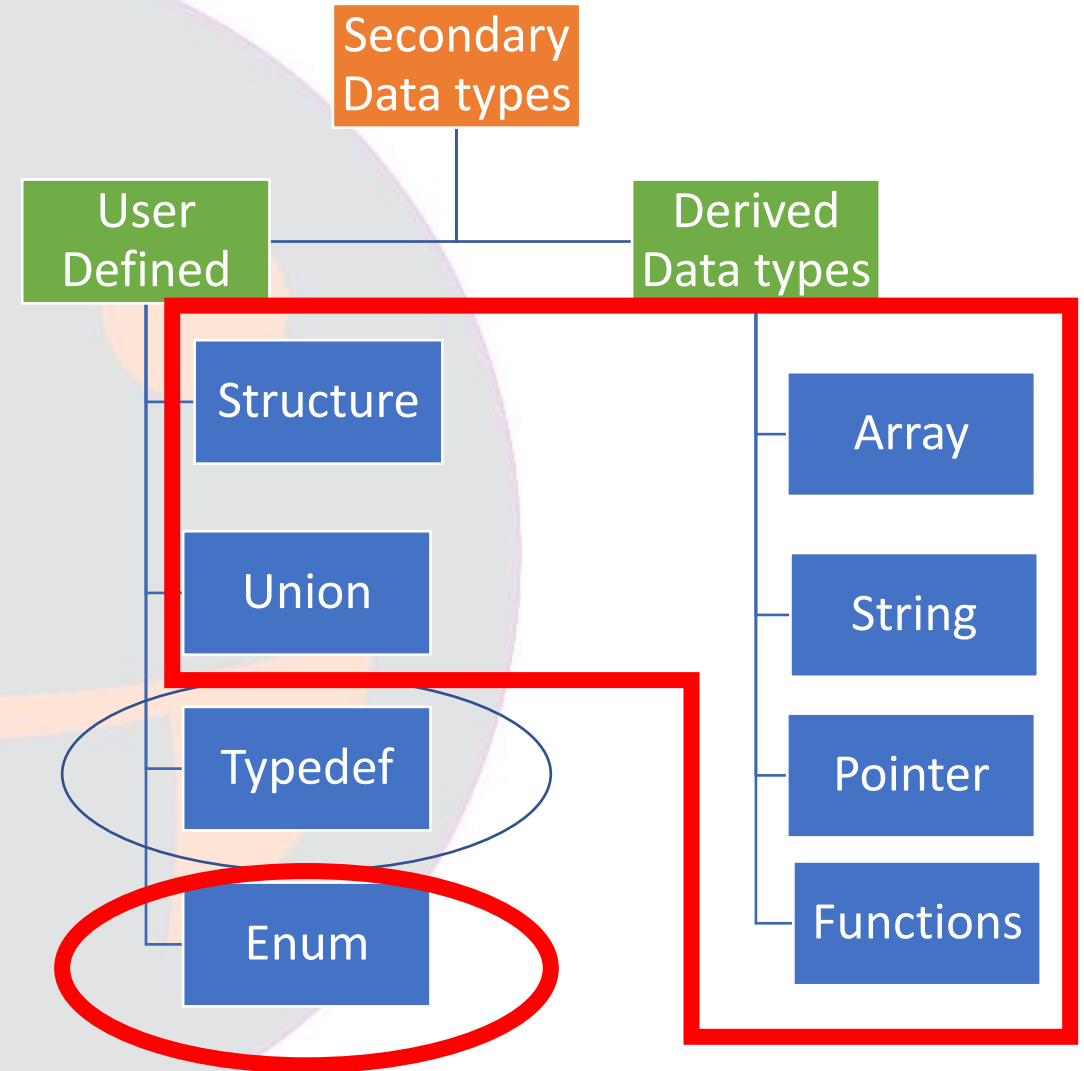
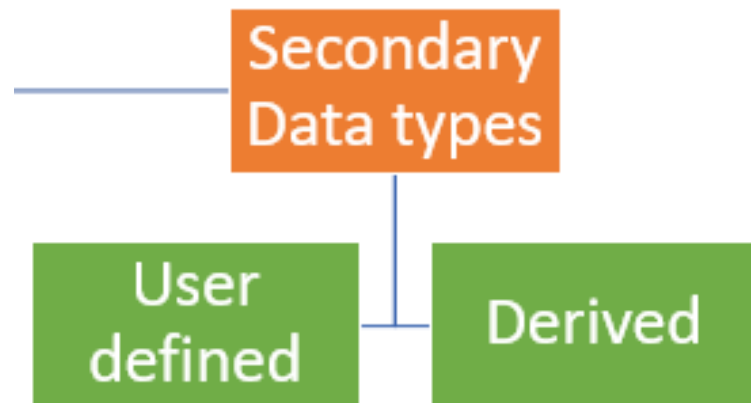
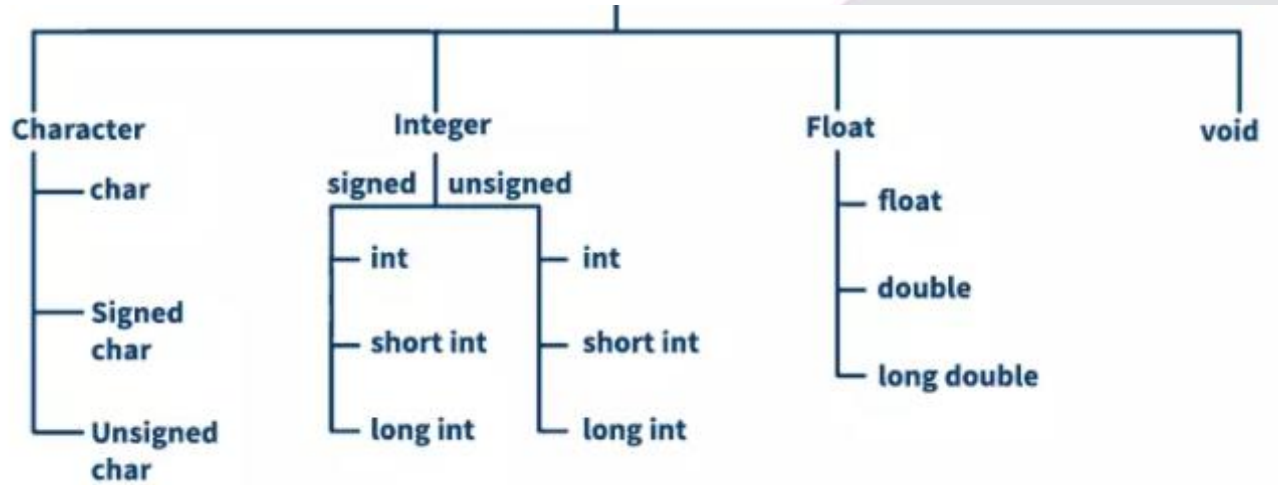
నా బంగారు పుట్టలో  
వేలు పెడితే కుట్టనా



Sometimes we will discuss deep concepts



# All Primary Data Types







**NEXT**

**Variables and data types  
in 3 min**