

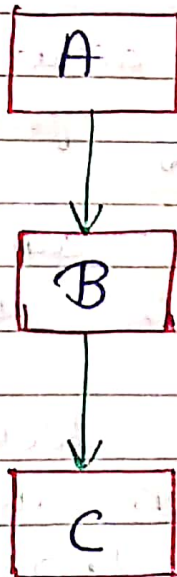
CA - IV<sup>th</sup> Sem

Ritu

13/04/2020

## Multilevel Inheritance :-

When a class is derived from a class which is a derived class itself then this is referred to as multilevel inheritance.



# Multi-level Inheritance

## SYNTAX

```
class base  
{  
    member of base class  
}
```

```
class derive 1: public/private/protected base  
{  
    member of derive 1 class  
}
```

```
class derive 2: public/private/protected derive 1  
{  
    member of derive 2 class  
}
```

```
#include <iostream.h>
```

```
#include <conio.h>
```

```
class student
```

```
{
```

```
public:
```

```
int rno;
```

```
char name [20];
```

```
};
```

```
class marks : public student
```

```
{
```

```
public:
```

```
int m1, m2;
```

```
}
```

```
class result : public marks
```

```
{
```

```
public:
```

```
int result;
```

```
void get ()
```

```
{
```

```
cout << "enter roll no: ";
```

```
cin >> rno;
```

```
cout << "enter name: ";
```

```
cin >> name;
```

```
cout << "enter mark 1 and a mark 2";
```

```
cin >> m1 >> m2;
```

```
}
```

```
void calculation ()
```

```
{
```

```
result = m1 + m2;
```

```
}
```

```
void disp ()
```

```
{
```

```
cout << "name = " << name;
```

```
cout << "no = " << no;
```

```
cout << "mark1 = " << m1;
```

```
cout << "mark2 = " << m2;
```

```
cout << "result = " << result;
```

```
}
```

```
};
```

```
void main ()
```

```
{
```

```
clrscr();
```

```
result r;
```

```
r.get();
```

```
r.calculation();
```

```
r.disp();
```

```
getch();
```

```
};
```

→ In C++ में  
use होता है