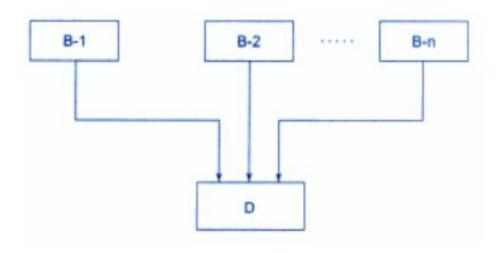
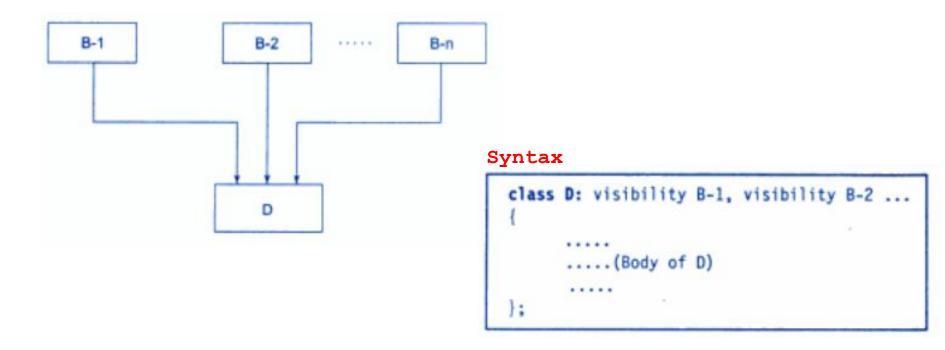
A class can inherit attributes from two or more base classes called multiple inheritance.



A class can inherit attributes from two or more base classes called multiple inheritance.



```
class M
                                       class N
     protected:
                                         protected:
                                             int n;
        int m;
                                         public:
    public:
                                             void get_n(int);
        void get m(int);
Classes P is derived from class M and N as follows;
             class P : public M, public N
                public:
```

void display(void);

The derived class P, would contain all the members of M and N

```
class P
  protected:
        int m;
  public:
       void get_m(int);
       void get_n(int);
       void display(void);
```

The derived class P, would contain all the members of M and N

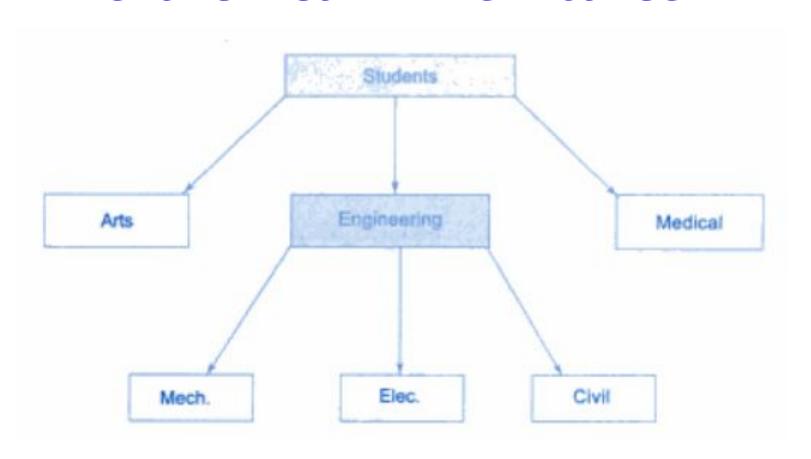
```
class P
  protected:
       int m;
  public:
       void get_m(int);
       void get_n(int);
       void display(void);
```

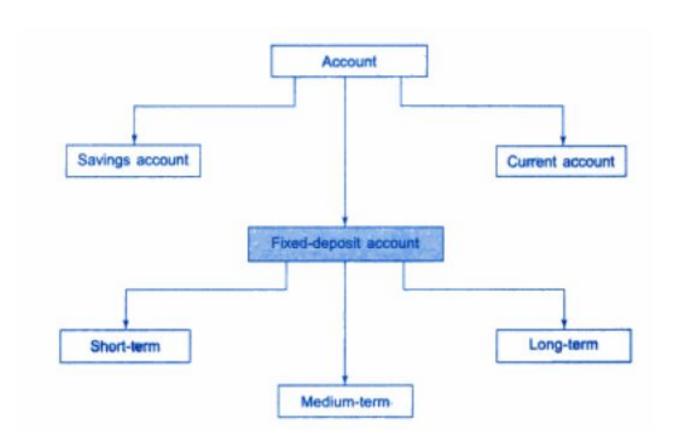
```
void P :: display(void)
{
    cout << "m = " << m << "\n";
    cout << "n = " << n << "\n";
    cout << "m*n =" << m*n << "\n";
};</pre>
```

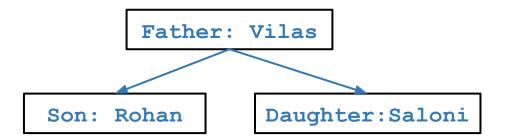
The derived class P, would contain all the members of M and N

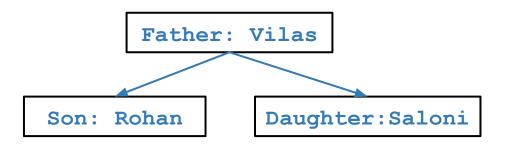
```
class P
  protected:
        int m;
        int n:
  public:
       void get_m(int);
       void get_n(int);
       void display(void);
```

```
void P :: display(void)
     cout << "m = " << m << "\n":
     cout << "n = " << n << "\n";
     cout << "m*n =" << m*n << "\n":
};
main()
      P p;
      p.get m(10);
      p.get_n(20);
      p.display();
```

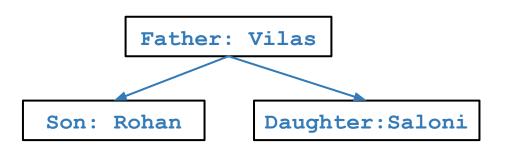








```
Class father
{
    public:
        void father_name()
        { cout<<"Vilas"; }
};</pre>
```



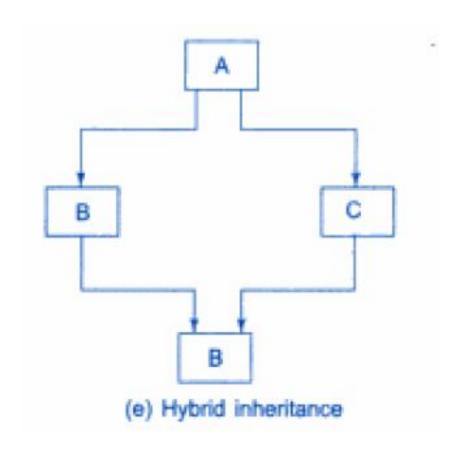
```
Class father
{
     public:
         void father_name()
         { cout<<"Vilas"; }
};</pre>
```

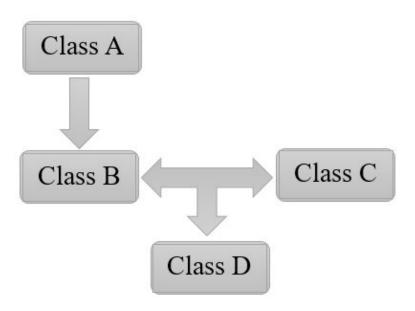
```
Class son:public father
{
    public:
        void son_name()
        { cout<<"Rohan"; }
};</pre>
```

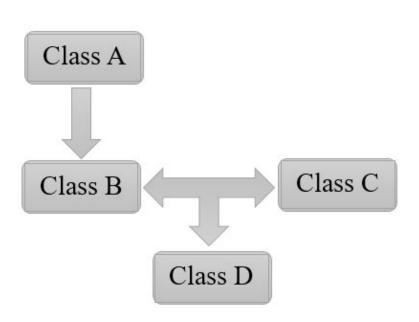
```
Class daughter:public father
{
    public:
        void daughter_name()
        { cout<<"Saloni"; }
};</pre>
```

```
int main()
{
    son s;
    s.father_name();
    s.son_name();

    daughter d;
    d.father_name();
    d.daughter_name();
    return(0);
}
```







```
class A
   ********
class B: public A
   .......
class C
   ......
class D: public B, public C
```

