

# Abstract Classes.

- A class that declares a pure virtual function is called an abstract class.
- An Abstract class is one that is not used to create object.
- An abstract class contains <sup>at least</sup> one or more pure virtual function, that <sup>^</sup> derived class should override.

# Program for Abstract class (Same as Pure Virtual fun.)

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

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

```
class base
```

```
{
```

```
public:
```

```
virtual void show() = 0;
```

```
};
```

```
void base :: show()
```

```
{
```

```
cout << "pure virtual function declaration";
```

```
}
```

```

class derived : public base
{
    public :
    void show()
    {
        cout << "Implementation of pure virtual
            function ";
    }
};

void main()
{
    clrscr();
    base* b;
    derived d;
    b = &d;
    b->show();
    getch();
}

```

Output:- Implementation of pure virtual function.

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