

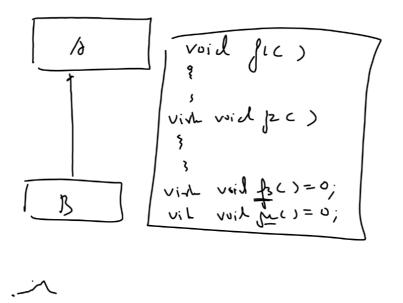
```
int main()
 Figure * P=NULL;
                                                                   default:
 int choice;
                                                                                  cout<<"Wrong choice";
 cout < < "Select a figure:" < < endl;
 cout < < "1. Rect" < < endl < < "2. Triangle" < < endl;
 cin>>choice;
                                                                   if(P!=NULL)
 switch(choice)
                                                                        delete P;
 {
      case 1:
                                                                   return 0;
                 new Rectangle;
              P->area();
              break;
      case 2:
              P=new Triangle;
              P->get();
              P->area();
              break;
```

```
int main()
                                                                  default:
 Figure * P;
                                                                                cout<<"Wrong choice";
 int choice;
                                                                                return 0;
 cout < < "Select a figure:" < < endl;
                                                                 }
 cout << "1. \ Rect" << endl << "2. Triangle" << endl;
 cin>>choice;
                                                                  delete P;
 switch(choice)
 {
                                                                 return 0;
      case 1:
              P=new Rectangle;
              P->get();
              P->area();
              break;
      case 2:
              P=new Triangle;
              P->get();
              P->area();
              break;
```

```
Syntax:
======
virtual <ret_type> <fn_name>(arg)=0;

Example:
======
```

virtual void area()=0;



After this session you will be able to answer:

- 1. why virtual functions run at slow pace?
- l_{Γ} 2. why constructor cannot be declared as virtual?
- 3. why compiler always defines a default constructor in our class if we do not define any constructor ?

