



Objective:

- The purpose of this quiz is to focus on the very basic fundamental concepts learned so far in previous lectures.

Question No. 1:

(03)

Give output of the following code segment.

```
struct Parent
{
    int a;
    int b;
    Parent()
    {a=1;b=2;}
};
struct Child: public Parent
{
    int c;
    int d;
    Child()
        {c=3;d=4;}
};
int main()
{
    Parent p;
    Child c;

    p = c;

    cout<<p.a<<endl<<p.b;
    return 1;
}
```

Question No. 2:

(03)

Give output of the following code segment.

```
struct Parent
{
    virtual void f()
    {cout<<"Parent::f()";}
    virtual void f(int)
    {cout<<"Parent::f(int)";}
};
struct Child: private Parent
{
    using Parent::f;
    virtual void f(int,int)
        {cout<<"Child::f(int,int)";}
    void f()
    {cout<<"Child::f()";}
};
int main()
{
    Parent * p =(Parent *) new
    Child;
    p->f();
    return 1;
}
```



Question No. 3:

(03)

Give output of the following code segment.

```
struct Parent
{
    virtual void f()
    {cout<<"Parent::f()";}
    virtual void f(int)
    {cout<<"Parent::f(int)";}
};
struct Child: private Parent
{
    using Parent::f;
    virtual void f(int,int)
    {cout<<"Child::f(int,int)";}
```

```
private:
    void f()
    {cout<<"Child::f()";}
};
int main()
{
    Parent * p =(Parent *) new
    Child;
    p->f();
    return 1;
}
```