**1]Synthesized Copy Constructor:**

class Demo

{

public:

int a;

int b;

int c;

Demo(int a,int b,int c)

{

this->a=a;

this->b=b;

this->c=c;

}

};

int main()

{

Demo d1(2,3,4);

Demo d2(d1);

std::cout<<d1.a<<std::endl<<d1.b<<std::endl<<d1.c<<std::endl;

std::cout<<d2.a<<std::endl<<d2.b<<std::endl<<d2.c<<std::endl;

}

**2]Explicit Copy Constructor:**

class Demo

{

public:

int a;

int b;

int\* p=(int\*)malloc(sizeof(int));

Demo(int a,int b,int c)

{

this->a=a;

this->b=b;

\*(this->p)=c;

}

Demo(const Demo& ref)

{

this->a=ref.a;

this->b=ref.b;

this->p=(int\*)malloc(sizeof(int));

\*(this->p)=\*(ref.p);

}

};

int main()

{

Demo d(1,2,3);

Demo d2(d);

std::cout<<"Before Change:"<<std::endl;

std::cout<<"First Object:"<<std::endl;

std::cout<<d.a<<std::endl<<d.b<<std::endl<<\*(d.p)<<std::endl;

std::cout<<"Second Object:"<<std::endl;

std::cout<<d2.a<<std::endl<<d2.b<<std::endl<<\*(d2.p)<<std::endl;

(\*(d.p))++;

\*(d2.p)=(\*(d2.p))+3;

std::cout<<"After Change:"<<std::endl;

std::cout<<"First Object:"<<std::endl;

std::cout<<d.a<<std::endl<<d.b<<std::endl<<\*(d.p)<<std::endl;

std::cout<<"Second Object:"<<std::endl;

std::cout<<d2.a<<std::endl<<d2.b<<std::endl<<\*(d2.p)<<std::endl;

}