**6.1**

#include<iostream.h>

class Room

{

int length;

int width;

public:

Room(int l,int w=0):

width(W),//'W' : undeclared identifier

length(l)

{

}

};

void main()

{

Room objRoom1;//no appropriate default constructor available

Room objRoom2(12,8);

}

**6.2**

#include<iostream.h>

class Room

{

int length;

int width;

public:

Room()

{

length=0;

width=0;

}

Room(int value=8)

{

void display()

{

cout <<length<<' '<<width;

{

};

void main()

{

Room objRoom1;

objRoom1.display();

}//end of file found before the left brace '{'

**6.3**

#include<iostream.h>

class Room

{

int width;

int height;

static int copyConsCount;

public:

void Room(){

width=12;

height=8;

}

Room(Room& r)

{width=r.width;

height=r.height;

copyConsCount++;

}

void disCopyConsCount;//illegal use of type 'void'

{// unexpected token(s) preceding '{'; skipping apparent function body

count<<copyConsCount;

}

};

int Room::copyConsCount=0;

void main()

{

Room objRoom1;

Room objRoom2(objRoom1);

Room objRoom3=objRoom1;

Room objRoom4;

objRoom4=objRoom3;

objRoom4.dispCopyConsCount();//'dispCopyConsCount' : is not a member of 'Room'

}

**6.4**

#include<iostream.h>

class Room

{// see declaration of 'Room'

int width;

int height;

static int copyConsCount;

public:

Room()

{

width=12;

height=8;

}

Room(Room& r)

{

width=r.width;

height=r.height;

copyConsCount++;

}

void disCopyConsCount;//illegal use of type 'void'

{//unexpected token(s) preceding '{'; skipping apparent function body

count<<copyConsCount;

}

};

int Room::copyConsCount=0;

void main()

{

Room objRoom1;

Room objRoom2(objRoom1);

Room objRoom3=objRoom1;

Room objRoom4;

objRoom4=objRoom3;

objRoom4.dispCopyConsCount();//'dispCopyConsCount' : is not a member of 'Room'

}