**SHALLOW COPY-**

#include <iostream>

using namespace std;

class box {

private:

int length;

int breadth;

int height;

public:

void set\_dimensions(int length1, int breadth1,

int height1)

{

length = length1;

breadth = breadth1;

height = height1;

}

void show\_data()

{

cout << " Length = " << length

<< "\n Breadth = " << breadth

<< "\n Height = " << height

<< endl;

}

};

int main()

{

box B1, B3;

B1.set\_dimensions(14, 12, 16);

B1.show\_data();

box B2 = B1;

B2.show\_data();

B3 = B1;

B3.show\_data();

return 0;

**DEEP COPY-**

#include <iostream>

using namespace std;

class box {

private:

int length;

int\* breadth;

int height;

public:

box()

{

breadth = new int;

}

void set\_dimension(int len, int brea,

int heig)

{

length = len;

\*breadth = brea;

height = heig;

}

void show\_data()

{

cout << " Length = " << length

<< "\n Breadth = " << \*breadth

<< "\n Height = " << height

<< endl;

}

box(box& sample)

{

length = sample.length;

breadth = new int;

\*breadth = \*(sample.breadth);

height = sample.height;

}

~box()

{

delete breadth;

}

};

int main()

{

box first;

first.set\_dimension(12, 14, 16);

first.show\_data();

box second = first;

second.show\_data();

return 0;

}