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Topic 1: Accessing attributes using Methods

class MyBox1

{

private int w;

private int d;

private int h;

int getWidth( )

{

return w;

}

int getDepth( )

{

return d;

}

int getHeight( )

{

return h;

}

void setWidth(int width)

{

w= width;

}

void setHeight(int height)

{

h= height;

}

void setDepth(int depth)

{

d= depth;

}

}

1. Type the above given code in a text editor (notepad) and save the file as “MyBox.java”.

2. Compile the code using javac MyBox.javac

class TestMyBox1

{

public static void main( String args[ ] )

{

MyBox red= new MyBox( ) ;

red.setWidth( 10) ;

red.setHeight( 20) ;

red.setDepth( 30) ;

System.out.println( "The w idth is " + red.getWidth( ) ) ;

System.out.println( "The w idth is " + red.getHeight( ) ) ;

System.out.println( "The w idth is " + red.getDepth( ) ) ;

}

}

1. Type the above given code in a text editor (notepad) and save the file as “TestMyBox.java”.

2. Compile the code using javac TestMyBox.java

3. Execute the code using java TestMyBox

# Exercise

**Qusetion 1**

* Write a class Employee having data members to store the following information: Name, Father’s Name, CNIC, Department, salary and designation
* Write get/set methods for all attributes.
* Write a method void printInfo() that prints all information of the employee. Also write a class to test all methods Employee class.

**Question 2**

* Write a class Box having data members to store the following information: Width, height and depth and method to store the volume of a box using formula (width\*height\*depth).
* Create two objects myBox1 and myBox2 for the above class.
* Write get/set methods for all the attributes
* Print values of width, depth and height.
* Calculate volume for both objects.