**Assisted Practice: 2.1 Methods**

//method demo

**public** **class** methodExecution {

**public** **int** multipynumbers(**int** a,**int** b) {

**int** z=a\*b;

**return** z;

}

**public** **static** **void** main(String[] args) {

methodExecution b=**new** methodExecution();

**int** ans= b.multipynumbers(10,3);

System.***out***.println("Multipilcation is :"+ans);

}

//call by value

**public** **class** callMethod {

**int** val=150;

**int** operation(**int** val) {

val =val\*10/100;

**return**(val);

}

**public** **static** **void** main(String args[]) {

callMethod d = **new** callMethod();

System.***out***.println("Before operation value of data is "+d.val);

d.operation(100);

System.***out***.println("After operation value of data is "+d.val);

}

}

//method overloading

**public** **class** overloadMethod {

**public** **void** area(**int** b,**int** h)

{

System.***out***.println("Area of Triangle : "+(0.5\*b\*h));

}

**public** **void** area(**int** r)

{

System.***out***.println("Area of Circle : "+(3.14\*r\*r));

}

**public** **static** **void** main(String args[])

{

overloadMethod ob=**new** overloadMethod();

ob.area(10,12);

ob.area(5);

}

}