EXPERIMENT 4

METHOD OVERLOADING

code:

```
class MethodOverloading
{
public static void main(String args[])
{
System.out.println(Adder.add(11,11));;
System.out.println(Adder.add(12.3,12.6));;
}
}
class Adder
{
static int add(int a, int b)
{
return a+b;
}
static double add(double a, double b)
{
return a+b;
}
}
```

OUTPUT:

```
C:\Users\Sharvari A Bhondekar\OneDrive\Desktop\JAVA PROGRAMS\Exp 4>javac MethodOverloading.java

C:\Users\Sharvari A Bhondekar\OneDrive\Desktop\JAVA PROGRAMS\Exp 4>java MethodOverloading.java
22
24.9
```

CONSTRUCTOR OVERLOADING

code:

class ConstructorOverload

{

public static void main(String[] args)

{ System.out.println(Multiplier.mult(2,3));

System.out.println(Multiplier.mult(2,2,2));

}

}

class Multiplier

{

static int mult(int a,int b)

{

return a*b;

}

static int mult(int a,int b,int c)

{

return a*b*c;

}

}

OUTPUT:

```
C:\Users\Sharvari A Bhondekar\OneDrive\Desktop\JAVA PROGRAMS\Exp 4>java ConstructorOverload.java
6
8
```