

```
import java.io.*;
import java.util.*;
class addamount{
float amount=50,a;
addamount(){
System.out.println("no amount can be added here")
}
addamount(float num){
a=num;
}
void add(){
amount+=a;
System.out.println("total amount:" + amount);
}
}
class amount{
public static void main(String[] args){
addamount a1= new addamount();
addamount a2= new addamount(50);
a2.add();
}
}
```

```
C:\Users\DELL>javac amount.java
```

```
C:\Users\DELL>java amount
no amount can be added here
total amount:100.0
```

```
C:\Users\DELL>
```

```
import java.io.*;
import java.util.*;
class rectangle{
float l,b;
rectangle(){
l=0;
b=0;
}
rectangle(float x, float y){
l=x;
b=y;
}

rectangle(float num){
l=num;
b=num;
}

void rect(){
float a = l*b;
System.out.println("area:"+a);
}
}
class shape{
public static void main(String[] args){
rectangle r1 = new rectangle();
rectangle r2 = new rectangle(8,4);
rectangle r3 = new rectangle(6);
r1.rect();
r2.rect();
r3.rect();
}
}
```

Command Prompt

C:\Users\DELL>javac shape.java

C:\Users\DELL>java shape

area:0.0

area:32.0

area:36.0

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```
import java.io.*;
import java.util.*;
class student{
String name;
student(){
name="unknown";
}
student(String sname){
name=sname;
}
void display(){
System.out.println("student name is:" + name);
}
}
class studname{
public static void main(String[] args){
student s1 =new student();
student s2 = new student("java");
s1.display();
s2.display();
}
}
```

Microsoft Windows [Version 10.0.19045.4651]
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C:\Users\DELL>javac studname.java

C:\Users\DELL>java studname
student name is:unknown
student name is:java

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```
import java.io.*;
import java.util.*;
class area{
    int l,b,s;
    void print_area(float l, float b){
        float m= l*b;
        System.out.println("rectangle:"+m);
    }
    void print_area(float s){
        float n=s*s;
        System.out.println("square:"+n);
    }
}
class rectsquare{
    public static void main(String[] args){
        area a=new area();
        a.print_area(4,5);
        a.print_area(5);
    }
}
```

```
C:\Users\DELL>javac rectsquare.java
```

```
C:\Users\DELL>java rectsquare
rectangle:20.0
square:25.0
```

```
C:\Users\DELL>_
```