

```

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();
    }
}

```

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 PS C:\Users\hesh2> javac amount.java

PS C:\Users\hesh2> java amount
 no amount can be added here
 total amount:100.0
 PS C:\Users\hesh2>

```
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);
}
}
```

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```
PS C:\Users\hesh2> javac rectsquare.java
PS C:\Users\hesh2> java rectsquare
rectangle:20.0
square:25.0
PS C:\Users\hesh2>
```

```

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();
}
}

```

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```

PS C:\Users\hesh2> javac shape.java
PS C:\Users\hesh2> java shape
area:0.0
area:32.0
area:36.0
PS C:\Users\hesh2>

```

```
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();
}
}
```

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```
PS C:\Users\hesh2> javac studname.java
PS C:\Users\hesh2> java studname
student name is:unknown
student name is:java
PS C:\Users\hesh2>
```