CN4001/ CD4001
Software Development
Topic 3: Building Blocks
Part 2

(c) Dr Aaron Kans

```
*** Rectangle App ***
Enter rectangle length: 7.5
Enter rectangle height: 10
Area of rectangle = 75.0
```

double length, height;

System.out.println("*** Rectangle App ***");

System.out.print("Enter rectangle length: ");

ENTER length

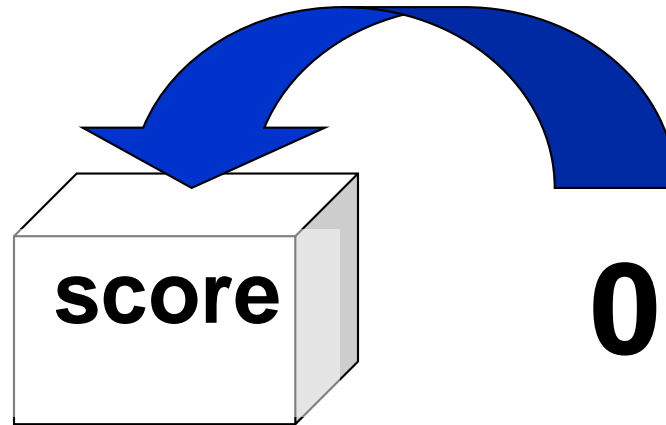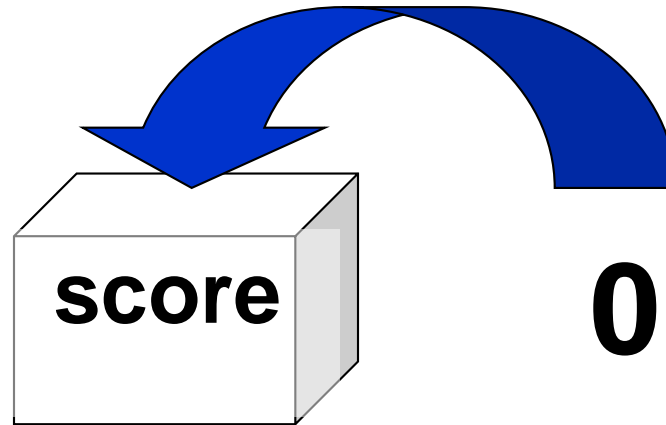**System.out.print("Enter rectangle height: ");**

ENTER height

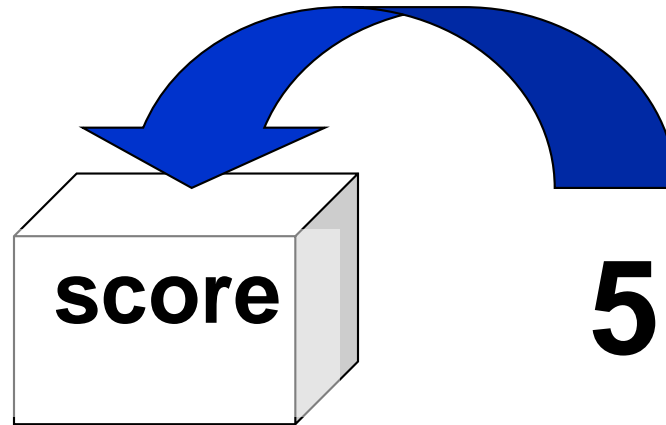**System.out.println("Area of rectangle = " ??);**

Assignments in Java

score **0**
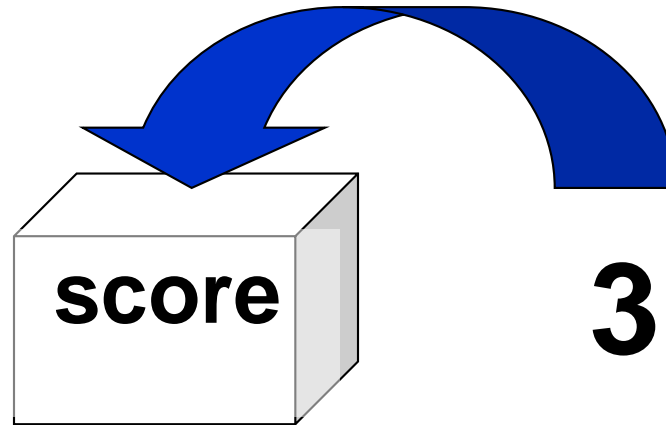
```
score = 0;
```

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score

0

```
score = 0;
```

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```
score = 5;
```

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score   **3**

```
score = 5;

score = 3;
```

score   **0**

```
int score = 0;
```

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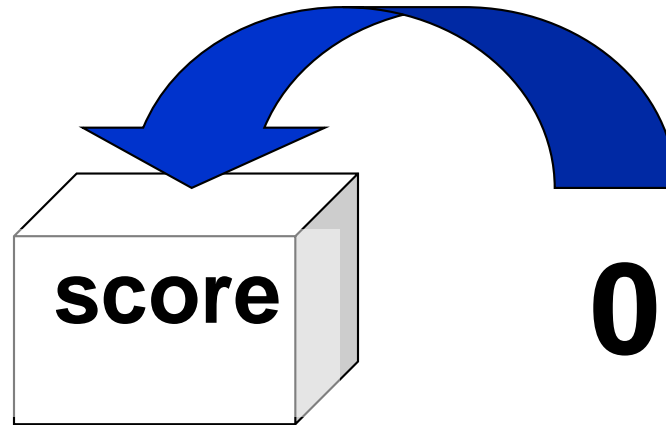
score   **0**

```
int score;

score = 0;
```

score 0

```
int score = 0;
```

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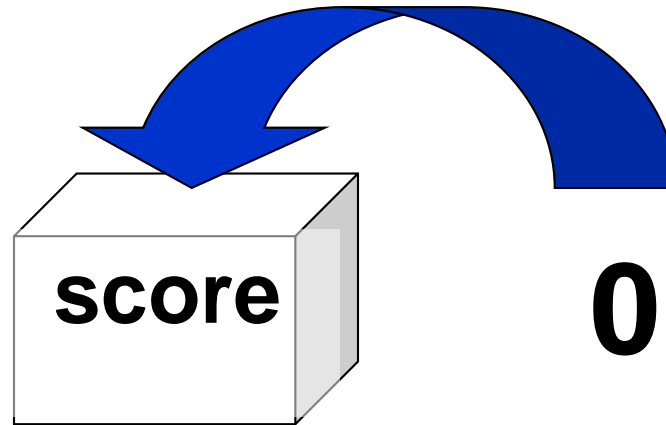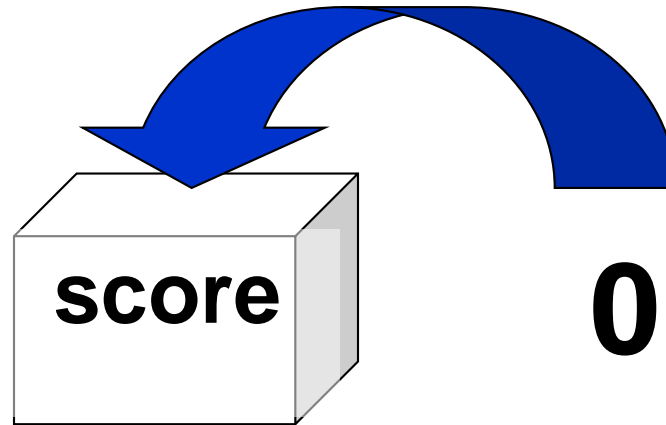
Spot the error!

Activity

```
int score = 2.5 ;
```

Spot the error!

Activity

```
int score = 2.5 ;
```

A real number cannot be placed into an integer variable!

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Assigning a **character** to a variable

```
char level = 'A';
```

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```

double length, height;

System.out.println("* Rectangle App ***");**

System.out.print("Enter rectangle length: ");

ENTER length

System.out.print("Enter rectangle height: ");

ENTER height

System.out.println("Area of rectangle = " ??);

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Activity

"Let's **directly enter** the values for **length** and **height** in our example"

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System.out.println("* Rectangle App ***");**

System.out.print("Enter rectangle length: ");

ENTER length

System.out.print("Enter rectangle height: ");

ENTER height

System.out.println("Area of rectangle = " ??);

```
*** Rectangle App ***
Enter rectangle length: 7.5
Enter rectangle height: 10
Area of rectangle = 75.0
```

double **length**, **height**;

System.out.println("*** Rectangle App ***");

System.out.print("Enter rectangle length: ");

length = 7.5;

System.out.print("Enter rectangle height: ");

ENTER **height**

System.out.println("Area of rectangle = " **??**);

```
*** Rectangle App ***
Enter rectangle length: 7.5
Enter rectangle height: 10
Area of rectangle = 75.0
```

double length, height;

System.out.println("* Rectangle App ***");**

System.out.print("Enter rectangle length: ");

length = 7.5;

System.out.print("Enter rectangle height: ");

height = 10;

System.out.println("Area of rectangle = " ??);

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```
*** Rectangle App ***

Area of rectangle = 75.0
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System.out.println("Area of rectangle = " **??**);

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