

variables

declare  
name  
type

type      name  
↙        ↘  
int      x;  
int      year;  
int      year2;

naming rules

- must start w/ a letter or \_
- can contain letters, numbers or \_
- cannot be "reserved" words  
("keywords")  
e.g. int, class, public...

initialize

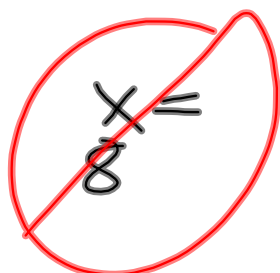
x = 8;

"is assigned"  
"gets"

---

int y = 10;

$$x = 8$$



A red circle with a diagonal slash through it, containing the equation  $x = 8$ .

$$x \begin{array}{|c|} \hline \cancel{8} \\ \hline -64 \\ \hline \end{array}$$

age 

```
import java.util.Scanner;
```

```
Scanner in =  
  ↑  
  type
```

```
age = in.nextInt();
```

You are — years old!

---

```
System.out.printf(  
    "You are %d years old!\n",  
    age);
```