

## Comments

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- ❑ *Block style* comments begin with `/*` and terminate with `*/` that spans multiple lines.
- ❑ *Line style* comments begin with `//` and terminate at the end of the line.
- ❑ *Documentation style* comments begin with `/**` and terminate with `*/` that spans multiple lines. They are generally created using the automated documentation generation tool, such as `java`



## Conversion

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- ❑ Every expression written in the Java programming language has a type that can be deduced from the structure of the expression and the types of the literals, variables, and methods mentioned in the expression.



## Widening Conversion

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```
int y=3;  
float x=y; //Widening Conversion, no error
```



## Narrowing Conversion

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```
float x=3.4f;
```

```
int y=x; //narrowing conversion, error
```

```
int y=(int)x; //no error
```

```
float k=3.5; //narrowing conversion, error
```

```
float k=3.5f; //no error
```



## Permitted Conversions

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- ☐ byte to short, int, long, float, or double
- ☐ short to int, long, float, or double
- ☐ char to int, long, float, or double
- ☐ int to long, float, or double
- ☐ long to float or double
- ☐ float to double

