

CS 31 Discussion Week 2

Zhou Ren

4/11/14

Notice

- discussion materials will be posted at <http://cs.ucla.edu/classes/spring14/cs31/>.

Content

- Variable (Identifier, data types, declaration)
- Assignments operation
- Arithmetic operations (additional notes)
- String (output, input)
- If statements (boolean expressions)

Content

- Variable (Identifier, data types, declaration)
- Assignments operation
- Arithmetic operations (additional notes)
- String (output, input)
- If statements (boolean expressions)

1. Variable (Identifier, data type, declaration)

- some “data storages” for the computer to store something
- How to name a variable
Los angeles, computer_science, engineering, bruin@ucla.edu, C++, 5272BH, cs31
- Data Type (int, double, boolean)
- Declaration (int x)

Content

- Variable (Identifier, data types, declaration)
- **Assignments operation**
- Arithmetic operations (additional notes)
- String (output, input)
- If statements (boolean expressions)

2. Assignments operation

- `int x=5; or int x(5);`
- `int x=5, y=6; or int x(5), y(6);`
- `int x=5.8;`
- `double y=2;`

Content

- Variable (Identifier, data types, declaration)
- Assignments operation
- **Arithmetic operations (additional notes)**
- String (output, input)
- If statements (boolean expressions)

3. Arithmetic operations (additional notes)

- + - * / % () ++ --

Content

- Variable (Identifier, data types, declaration)
- Assignments operation
- Arithmetic operations (additional notes)
- String (output, input)
- If statements (boolean expressions)

4. String (output, input)

- `cout << "";`
- `string str; getline(cin, str);`
- `cin.ignore(10000, '\n')`

- `cout.setf(ios::fixed);`
- `cout.setf(ios::showpoint);`
- `cout.precision(2);`

Content

- Variable (Identifier, data types, declaration)
- Assignments operation
- Arithmetic operations (additional notes)
- String (output, input)
- If statements (boolean expressions)

5. If statements (boolean expressions)

Boolean Operators

symbol	meaning
>	greater than
>=	greater than or equal to
<	less than
<=	less than or equal to
==	equal to
!=	not equal to
&&	AND
	OR

Content

- Variable (Identifier, data types, declaration)
- Assignments operation
- Arithmetic operations (additional notes)
- String (output, input)
- If statements (boolean expressions)

Thank You

Questions?