C Programming
Lab 3: if-else and switch-case

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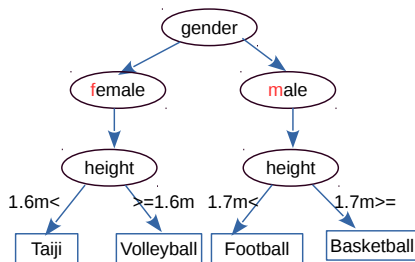*Spring Semester* 2022

Outline

if-else clause (1)

- Read a character from input
  1. If it is in 0∼9, print out "It is a digit"
  2. If it is in 'a'∼'z', convert it into upper case and print it out
  3. If it is in 'A'∼'Z', print it out directly
  4. If it is blank, print "It is blank"
  5. Otherwise, print "It is not a visible character"

Outline

Embedded if-else

- Given the height and gender of a student, recommend a sport for him/her

- For exapmle, given male student with height 1.75m, it is recommended to play basketball
- Th input is m/f for gender, and a positive float number for height
- The output is the recommended sports name

Outline

switch clause

- Write C codes, which allows user to input number between 1 and 12 (the month)
- Then your code tells the user to which season the input month belongs

1. 2—4 : Spring
2. 5—7 : Summer
3. 8—10 : Autumn
4. 12—1 : Winter