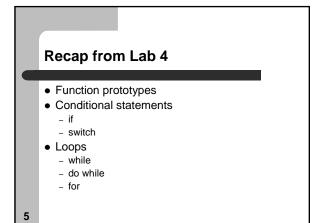


### Recap from Lab 3

- Math operators
- Arrays (assignment and reference)
- Strings
  - string manipulation
  - fgets
  - sscanf

4



### Quick quiz...

- What does the following do in a for loop
   \_ && or ||
- What are double and long?

6



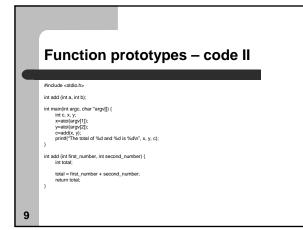
Usually, you declare variables before you can use them

- similar with functions

- however, you can
  - declare a function prototype at the beginning of the program
    define the actual function workings later on
- Example
  - int add (int a, int b);
- This is important in HW2

7

# Function prototypes - code l finclude <stdio.h> int add (int first\_number, int second\_number) { int tota; int tota; int cs, y; int



	Some more examples
	Reader address and address and address and address
	and a second sec
	("Performance of the second se
	eau nag.  /me uata allois tuokinin  /me uata allois tuokinin
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	) The Anima Analysis - Nata Rad Radae Alexan & Anal The Anima Radae Analysis - Nata Radae Alexan & Anal Death Male
10	Maria - Danij Sanjavalari - (Banij anamad, Janathan) 1

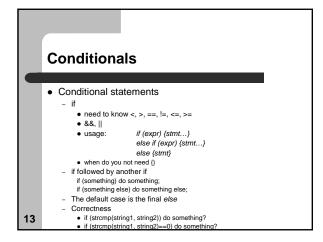
### Here is a problem – use functions

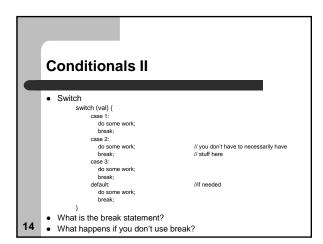
- Brainstorming (real world example)
   Planning your trip to Europe
  - Changing currency during your Eurotrip
  - Booking Flights
  - Booking Hotel Room and/or Youth Hostels
  - Sightseeing
  - Look up the weather
- What are the different methods?

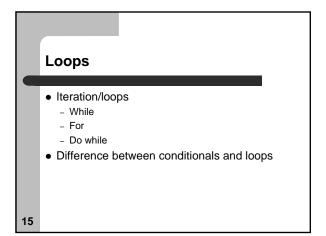
11

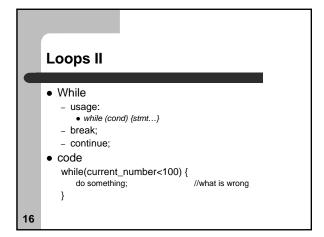
### **Conditionals revisited**

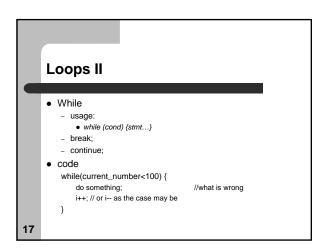
- Conditional statements
  - if
  - switch

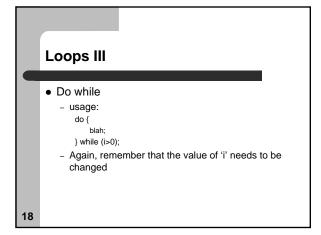


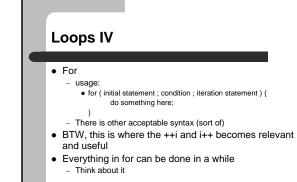


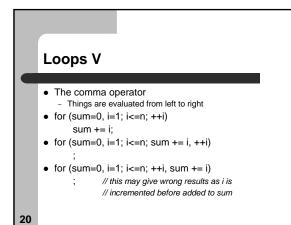


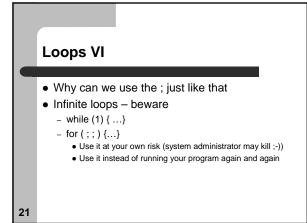












# What does the following do?

for (i = 1; i <= 10; ++i ) ; sum += i;

22

# Back to the Europe Trip example

• Now that we know loops, how would we use them to call our methods nicely

## Assignment

- Read Ch. 8 and 9 from the Practical C Programming book
- Start reading Ch. 7
- HW2
  - Due soon.

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