











Assignment

- Expression on rhs is evaluated before the assignment operation
- Examples: x= 2*3.14 y= 1+x z= 4^2 - cos(y)
- Question: can we reverse the order of the 3 statements above?

Lecture 2





% Example 1_1: Surface area of a sphere % A: surface area of the sphere % r: radius of the sphere r= input('Enter the radius: '); A= 4*3.14159*r*r; fprintf('Surface area is %f.\n', A);





Comments

- For readability!
- A comment starts with % and goes to the end of the line
- Start each program (script) with a concise description of what it does
- Define each important variable/constant

% Example 1_2: Surface area increase

r= input('Enter radius r in miles: ');

delta= input('Enter delta r in inches: ');

% given an increase in the radius

Top a block of code for a specific task with a concise comment

Lecture 2

Example

Modify the previous program to calculate the increase in surface area given an increase in the radius of a sphere.

Note: I mile = 5280 feet

What's next?

- So far, all the statements in our scripts are executed in order
- We do not have a way to specify that some statements should be executed only under some condition

Lecture

We need a new language construct...

