

Computer Engineering 11 Advanced Programming



- Login to the Mac
- Start a terminal
- Use vi
- Create the program
- Compile and execute
- Demo to the TA
- Upload the code to Camino



Lab 1 – Division Test

- Do 10 times
 - Generate two numbers between 0 and 12 randomly
 - Denominator (cannot be zero) and quotient
 - Output the dividend (divisor * quotient) and denominator
 - Input the answer
 - Compare the answer with the quotient
 - Output right or wrong
 - If the answer is wrong, output the correct quotient
 - Count the number of correct answers
- Show the total score to the user



To generate the random numbers

- -divisor = rand() % 12 + 1;
- -quotient = rand() % 13;
- -call srand once, before the loop srand ((int) time (NULL));



- Create a function to handle each division
 - The main function generates the numbers and passes them as arguments to the division function
 - The division function returns 1 if the user is right and 0 if the user is wrong
 - The main function counts the number of right answers in the loop



- Grading
 - Pre-lab
 - Flowchart or Pseudo-code 10%
 - In the lab
 - Demo to the TA 30%
 - Submit your code to Camino 60%