

Assignment 2

- 1. Write a program to print all natural numbers from 1 to 25.
- 2. Write a program to print all natural numbers in reverse (from 30 to 1).
- 3. Write a program to print all odd numbers between 1 and 100 inclusive.
- 4. Write a program to find the sum of all natural numbers between 1 and 50 inclusive.
- 5. Write a program to find the sum of all even numbers between 1 to 50 inclusive.
- 6. Given a number 'num', find its factorial. (Factorial of $7 = 7! = 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1$)
- 7. Given two integers a and b, find the value of a raised to power b. Ex: a=2, b=3 will give 8.
- 8. Write a program to print multiplication table (upto 10) of any number saved in variable 'num'. Print the full expression on each line, ex: " $3 \times 10 = 30$ "
- 9. Write a program to check whether a number is Prime number or not.
- 10. Write a program to print all Prime numbers between 1 and 100.
- 11. Ask user to enter a command. If the command is not "x" print the command and ask for the next command. Keep repeating, until the user enters "x".

 HINT: Use a 'while' loop.
- 12. Write a program to print the following triangle using for-loop.

HINT: First figure out how to print multiple stars on the same line.
In Java, use System.out.print instead of System.out.println
In JS and Python, keep adding stars into an empty string. Then print the e

In JS and Python, keep adding stars into an empty string. Then print the entire string at once.

In C++, this is not an issue because endl is used explicitly.

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13. Write a program to print the following triangle using for-loop.



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