

Sheet 3

- 1-Write a program to calculate the sum of first 10 natural number.
- 2-Write a program that prompts the user to input a positive integer. It should then print the multiplication table of that number.
- 3-Write a program to find the factorial value of any number entered through the keyboard.
- 4-Write a program that reads a set of integers as the user wants, and then prints the sum of the even and odd integers.
- 5-Write a program that prompts the user to input an integer and then outputs the number with the digits reversed. For example, if the input is 12345, the output should be 54321.
- 6-Write a java program that asks the user to enter two numbers. The numbers should be added, and the sum

displayed. The loop should ask the user whether he or she wishes to perform the operation again. If so, the loop should repeat; otherwise, it should terminate.

7-Write a program to enter the numbers till the user wants, and at the end it should display the count of positive, negative and zeros entered.

8-Write a program that generates a random number and asks the user to guess what the number is. If the user's guess is higher than the random number, the program should display "Too high, try again." If the user's guess is lower than the random number, the program should display "Too low, try again." The program should use a loop that repeats until the user correctly guesses the random number.

9-Print the following patterns:

a.

* * *

* * *

* * *

b.

*

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c.

*

*

d.

1

222

33333

4444444

555555555