

Assignment 4 (Simple Loop)

Input: if n is 5 and given numbers are 33, 100, 77, 42, and 12.

Output: $33 + 100 + 77 + 42 + 12 = 264$.

- 1) Write a program, which finds the sum of last digits. (In above case: $3 + 0 + 7 + 2 + 2 = 14$).
- 2) Write a program, which finds the sum of second last digits. (In above case: $3 + 0 + 7 + 4 + 1 = 15$).
- 3) Write a program to find the sum of numbers after deleting last digit. (In above case: $3 + 10 + 7 + 4 + 1 = 25$)
- 4) Write a program to find the sum of numbers after deleting second last digit. (In above case: $3 + 10 + 7 + 2 + 2 = 24$)
- 5) Write a program, which finds the sum of the product of last two digits (In above case: $3 \times 3 + 0 \times 0 + 7 \times 7 + 4 \times 2 + 1 \times 2 = 68$). If n = 3 and numbers are 137, 41593, and 89 then output is $(3 \times 7 + 9 \times 3 + 8 \times 9 = 120)$.
- 6) Write a program, which finds the sum of numbers after exchanging last two digits. (In above case: $33 + 100 + 77 + 24 + 21 = 255$).
- 7) Write a program, which finds the last even number (In above case: 12). If n = 6 and numbers are 14, 17, 16, 19, 21, and 33 then output is 16.
- 8) Write a program, which finds the weighted sum of these numbers. The weight of ith number is i. (In above case: $1 \times 33 + 2 \times 100 + 3 \times 77 + 4 \times 42 + 5 \times 12 = 692$).
- 9) Write a program, which finds the sum of odd numbers. (In above case: $33 + 77 = 110$).
- 10) Write a program, which finds how many of these numbers are odd. (In above case: 2).

