# Assignment number 1 (intro to programming):

1. Write a program to ask the user to enter number and print the number is odd or even.

2. Write a program to find a maximum and a minimum of three numbers or if the numbers are equal to each other, find if the given number is positive or negative.

3. Write a program to ask from the user a word to check if it contains a vowel character or not. In case having a vowel character print its position.

4. Write a program to display the last digit of a number
    EX: number =145678 output => 8

5. Write a program to accept number from user and find if the number is divisible by 2 and 3 both.

6. Write a program to accept the following from the user and calculate the percentage of class attended, if the percentage is less than 75, then student will not be able to sit in exam:
   - Total number of working days
   - Total number of days for absent

7. Write a program to accept market price from the user and calculate the price after discount to pay according to following criteria:

| Marked Price | Discount |
|---|---|
| >10000 | 20% |
| >7000 and <=10000 | 15% |
| <=7000 | 10% |

Artificial Intelligence

8. Given a string, write a python program that convert the string based on the following conditions:
    - If lower case letter less than upper case letter convert string to upper case
    - If upper case letter less than lower case letter convert string to lower case

9. Write a program to accept number from the user and check if the given number is palindrome or Armstrong or not.

10. Write a program to accept number from the user and convert it to words
    ➢ EX: 124 → One hundred and twenty-four. (Bonus)

11. Write a program to find the sum of the following series:
    1 + 4 – 9 +16 – 25 + 36 ………..n terms

12. Write a program to count number of "car" word in a string accepted from user and the positions of them.

13. Write a program to check whether an input string is palindrome or not.
14. Write a program to print the following pattern:
    a) 1

       1 2

       1 2 3

       1 2 3 4

    b) ****

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