1. Write a program to find whether a given number is even or odd or prime. The program should continue as long as user wants.
2. Write a program to print the sum of negative numbers, sum of positive even numbers, and positive odd numbers from a list of numbers entered by the user. The list terminates when the numbers entered by user is zero.
3. Write a program to generate the following :

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1. Write a program that reverse and sum up the integer digits using values?
2. Write a program to check the Armstrong number? (For eg. 153 =13+53+33)
3. Write a program to tabulate the function
   * + 1. f(x)=(x2 + 1.5x + 5)/(x-3)
   1. for x= -10 to 10, x should take values -10, -8, -6,…..6, 8, 10
4. Write a program to count the no of vowels, consonants and spaces in a string.
5. Write a program to check whether the string is palindrome or not
6. Write a program to convert the string in its opposite case.( for example: if string entered by you is “HeLLo WoRlD” than the output shout be “hEllO wOrLd”
7. Write a program to accept monthly salary for 5 employees and then count the no of employees earning more than Rs. 1lakh per annum.
8. Write a program that prints the lower and upper triangle of an square matrix..
9. Write a program that finds the transpose of a matrix.
10. Write a program that computes the sum of the diagonal elements of a square matrix.
11. Write a program to sum the elements above and below the main diagonal of a matrix.
12. Write a program to insert an element in an integer array at the specified position;
13. Write a program to delete an element from an integer array.