1. Write a program to print an Arrow and Diamond shape with asterisk.
2. Write a program to print a large text name with respective characters of given name.
3. Write a program to Print one word given a positive integer 0 < x < 50 is used to indicate the number of times O is repeated in word W”o”W.

Input 5

Output WoooooW

1. Write a program to take 3 inputs at a time and produce as sum of the squares of each.

Input Enter 3 values differentiated by spaces : 3 4 5

Output Result is 50.

1. Write a program to validate the given phone numbers. Numbers starting with 9, 8, 7, 6 are to be considered valid and other are considered as spam numbers.

Input Enter a Phone Number : 6305813208

Output It is a valid Number.

**Note: the phone number length must be size of 10**

1. Write a program to find a person weather he/she is eligible for vote according to birth month and year compared to present month and year.

Input Enter Born Month : 10

Enter Born Year : 1999

Enter Current Month : 4

Enter Current Year : 2020

Output The age of PERSON is : 20 Years and 6 Months

Eligible for Vote

1. Write two different programs to print Fibonacci series order 2 made with two given numbers and three given numbers with at least 15 numbers output.

**2 number fibonocci series of Order-2**

Input Enter two numbers to start fibonacci series : 0 1

Output 0 1 1 2 3 5 8 13 21 34 55 89 144 233 377

**3 number fibonocci series of Order-2**

Input Enter three numbers to start fibonocci series : 1 2 3

Output 1 2 3 3 5 6 8 11 14 19 25 33 44 58 77

1. Write a program to print even Fibonacci series under 1000000 and their sum.

Output [2, 8, 34, 144, 610, 2584, 10946, 46368, 196418, 832040]

The sum of Even Fibonocci under 1000000 is : 1089154

1. Write a program to print the sum of primes first 2000000.

Output 142913828922

1. Write a program which can find and display the square numbers list from the given list below - [100, 101, 102, 103, … 900, 901, 902, … 999, 1000]

Output [100, 121, 144, 169, 196, 225, 256, 289, 324, 361, 400, 441, 484, 529, 576, 625, 676, 729, 784, 841, 900, 961]

1. Write a code to generate this list of series [11, 90, 346, 936, 1810, 3188, 4830, 6646].

**Hint: for every three consecutive primes from first, the sum of third prime to multiplication of first two, will represent each number in the given list of series**

1. Write a program to Count the number of words having words with Upper case alphabet and words with Lower case alphabet in a paragraph and display their values.
2. Write a program that calculates the squares of first n numbers and store them into a dictionary with respect to a particular number and print the dictionary.
3. Write a program to take a range value and take strings until the range and prints eventually the sorted list of the given string.
4. Write a program to print the company name and User name from the given list of email id’s.
5. Write a program which count and print the number of occurrences for each alphabet in a given string input.
6. Write a program to combine two different lists into a single dictionary.
7. Write a program to take a input string and print the dictionary of string elements and their number of occurrences.
8. Write a program to find the number of lines, words and characters in a paragraph.
9. Write a program that adds a new user into a phonebook of dictionary contains name and number and prints the newly updated phonebook.
10. Write a program to print a given file’s data in reverse order of each line.
11. Write a program to take a string input and print the split string and again print joined string.
12. Write a program to find the type of file when the file name entered as string.