

- Attempt all programs and write down output also.
- Write question also before execute any program.

Questions :-

1. Write a program in python to print all prime numbers in between 1 to 1000 with using for and while loop.
2. Write a program in python to check entered year is leap year.
3. Write a program in python to print a series of Mersenne number up to n. With using for and while loop.
4. Write a program in python to check topper first, second, third, pass and fail position in result.
5. Write a program in python to check entered number is prime number or not. With using for and while loop.
6. Write a program in python to check week days from week number.
7. Write a program in python to print following pattern :-

(i) #
 \$ #
 # \$ #
 \$ # \$ #

(ii) 1
 2 6
 24 120 720

(iii) A
 B C
 D E F
 G H
 I

(iv) 1
 1 2
 1 2 3
 1 2 3 4

8. Write a program in python to calculate speed of a vehicle for entered distance and time.

9. Write a program in python to calculate following series.

$$1+2+3+5+7+11+13+17+\dots+n$$

10. Write a program in python to calculate area and volume of cuboid, cube, cylinder and cone.