

### **only if**

1. check if the iterable is empty
2. greatest of 3 numbers
3. converting upper to lower and vice versa
4. check if entered character is vowel or not
5. check if entered character is vowel or not, if it is vowel then create a dictionary with char and its ascii value pair
6. check if the key is present, if present then increment or initialize the value to 1
7. check if the given value is string or not
8. check if the given number is even or odd
9. check whether the string is palindrome or not
10. check if the integer is palindrome or not
11. check if the given year is leap year or not
12. check if the given character is number or alphabet or special character
13. check if the given number is perfect square or not
14. check if the entered marks is greater than 35 then print pass, else print fail, if the marks is above 60 print first class
15. check if the given string is starting with vowel or not
16. check if the given string is ending with vowel or not
17. check if the list has even number of elements
18. check the number of keys in the dictionary, if the number is even print the dictionary as it is, else add a new key to make it even and print it
19. In a number check if the first number is even or odd
20. In a number check if the second last number is even or odd

### **if using for loop**

21. Write a program to print prime numbers from 1 to 50
22. Linear Search program
23. Program to convert uppercase characters to lowercase characters in the string
24. Program to convert lowercase characters to uppercase characters in the string

25. Program to print only integer datatypes in the list

```
data = [ "hi", "hello", 10, "12.3", 12, 90, 6.2]
```

26. Program to print only integer and float datatypes in the list

```
data = [ "hi", "hello", 10, "12.3", 12, 90, 6.2]
```

27. program to print all the numeric values in the list

```
data = [ "hi", "hello", 10, "12.3", 12, 90, 6.2]
```

28. Program to print only vowels in the string "Python selenium"

29. Program to print only consonants in the string "Python selenium"