1.Difference Between append, extend, and insert in python

## 2.Differentiate remove, del, and pop in python

## 3.Explain the range function in python

## 4.Difference between == and is operator in python

## 5.How to reverse a string in python using indexing. Explain with example.

## 6.Write a Program to print all prime numbers from 10-50.

## **7.How to print**sum**of the numbers starting from 1 to 100**

## **8.What is the output, Suppose list1 is [1, 3, 2], What is list1 \***2?

## **9.Can you write a program to find the average of numbers in a list in Python?**

## **10.WAP to check a number is positive , negative or zero.**

## **11.1WAP to check a number is divisible by 5 and 11 or not**

## **12.WAP to calculate profit & loss.**

## **13.WAP to Input the basic salary of employee & calculate its gross salary** Basic Salary <= 10000 : HRA = 20%, DA = 80% Basic Salary <= 20000 : HRA = 25%, DA = 90% Basic Salary > 20000 : HRA = 30%, DA = 95%

## 14.Input the electricity unit charge & calculate the total electric bill according to given condition.

## For first 50 units Rs. 0.50/unit For next 100 units Rs. 0.75/unit For next 100 units Rs. 1.20/unit For unit above 250 Rs. 1.50/unit An additional surcharge of 20% is added to the bill

## **15.WAP to Swap 2 numbers without using 3rd variable in python.**

## **16.WAP and find lcm of two numbers.**

## **WAP to check the year is leap year or not .**

## **17.Write a program to reverse a number in Python?**

## **18.Write a program to find the sum of the digits of a number in Python?**

## **19.How to sort list of tuples.**

## lang\_listtuple= [('C#',1), ('Go',7), ('Basic',8), ('Python',60)]

## 20.WAP for simple & compound interest in python.

## 21.WAP to delete set of keys in dict

## Keys to delete 🡪[‘name’,’age’]

|  |
| --- |
| **animaldict = {** |

|  |
| --- |
| **“name”: “Dog”,** |

|  |
| --- |
| **“age”:5,** |

|  |
| --- |
| **“Weight”: 4,** |

|  |
| --- |
| **“Country”: “US”,** |

|  |
| --- |
| **“City”:”California”** |
|  |

|  |
| --- |
|  |

|  |
| --- |
| } |
| WAP |
|  |

|  |
| --- |
|  |