



# INDIAN SCHOOL AL WADI AL KABIR

<b>Class: 11<sup>th</sup> (IP)</b>	<b>Department: Computer Science</b>	<b>Date of submission:</b>
<b>Worksheet :</b> Execute the programs on python IDLE	<b>Topic: Python Programs</b>	<b>Note:</b> Use python 3.7.x version

1. WAP to input two numbers from user find their sum and print it on the screen.
2. WAP to input principal, rate and time and calculate the simple interest.
3. WAP to find final amount for given cost, quantity and discount by user.
4. Write a Python program to check and display whether a No. is Odd or Even .
5. Write a Python program to check and display whether a No. is multiple of 5 or not.
6. Write a Python program age of a person and check whether he is eligible to vote or not.
7. Write a python program to find the eldest person after taking age of two person from user.
8. Write a program to input two numbers and an arithmetic operator and perform the arithmetic operation on the two numbers given by user and display the output.
9. Write a Python program to find and display the discount amount of a shopping made by the customer based on the following conditions.

Bill Amount	Discount %
Rs. 5,000 and above	8% of Bill Amount
< Rs. 5,000	Nil

10. Write a Python program to print the Income & Tax of Employee. The Tax calculation is based on the following conditions.

Income	Tax %
< Rs. 20000	5% of Income
Rs. 20000 to Rs. 25000	8% of Income
Above Rs. 25000	15% of Income

[Total Income =Income- Tax]

Display all the information Income &Tax

11. Write a Python program to input a basic salary of an employee and calculate the Special Incentive based on the following criteria:

Basic Salary	Special Incentive
Less than Rs. 3,000	25 % of Basic Salary
Between Rs. 3,000 and Rs. 5,000	35 % of Basic Salary
Between Rs. 5,001 and Rs. 10,000	50 % of Basic Salary
More than Rs. 10,000	75 % of Basic Salary

14. Write a program to find factorial value of the given number.
15. Write a program to display the factors of a number.
16. Write a program to count the number of values divisible by 3 in the range 20-50.
17. Write a program to display the number of values divisible by 5 in the range 101-200
18. Write a program to find minimum and maximum element from a list of elements along with its index in the list.
19. Write a program to calculate mean of a given list of numbers.
20. Write program to search for an element in a given list of numbers.
19. Write a program to count frequency of a given element in a list of numbers.
20. Write a program to count the no. of even elements in a list of numbers.
21. WAP that repeatedly asks the user to enter airline names and airfare. Store all of them in a dictionary whose keys are airline names and values are airfare. And also write a code to search an airline details from the dictionary.
22. WAP that repeatedly asks the user to enter employee names and salaries. Store all of them in a dictionary whose keys are employee names and values are salaries. And also write a code to search an employee details from the dictionary.
23. WAP that repeatedly asks the user to enter product names and prices. Store all of them in a dictionary whose keys are product names and values are prices. And also write a code to search an item from the dictionary.