

**MODERN PUBLIC SCHOOL**  
**CLASS XII**  
**HOLIDAY HOMEWORK(2022-23)**

Q.1 Who developed Python and when ?

Q.2 Explain four types of operators in Python ?

Q.3 WAP in python to calculate the area and perimeter of Rectangle ?

Q.4 WAP in python to calculate Simple Interest by inputting the value of Principal Amount and rate from the user for a time period of 5 years.

Q.5 WAP in python to calculate and display the selling price of an item .

Q.6 WAP in python to check whether a entered number is positive , negative or zero.

Q.7 Write the output of following expressions :

a)  $12 + (3**4-6)/2$

b)  $12 + 3 * 4 - 6/2$

Q.8 What is the difference between if and if-else statement in python.