INDIAN SCHOOL MUSCAT
SENIOR SECTION
INFORMATICS PRACTICES
CLASS XI (2019-20)

Topic : Python – Conditional & Iterative Statements
Lab Work Sheet : 7

1. ABC Shop deals in apparels and footwear. Write a program to calculate total selling price after levying the Gst. Do calculate central Govt. gst and State govt. gst. Gst rates are applicable as under :

Item	GST Rate
Footwear <=500 (per pair)	5%
Footwear > 500 (per pair)	18%
Apparels <= 1000 (per piece)	5%
Apparels > 1000 (per piece)	12%

2. Write a Program to calculate Standard Deviation from the given set of values. Number of values must be at least 5 or more.

3. Write a program to accept two integers and find their gcd and lcm.

4. Write a program to find the sum of squares of the first n Natural numbers.

5. Write a program to accept an integer and check if it is a prime number or not.

6. Write a program to accept an integer and check if it is an Armstrong number or not.

7. Write a program to accept an integer and check if it is a perfect number or not.

8. Write a program to accept an integer and check if it is a palindrome or not.

9. Write a program to accept a real number x and an integer n and find x^n.(using for loop)