Write Python programs for the following tasks:

1. Given the amount in rupees , convert it into ruble

1 rupee = 1.11 ruble

1. Normalize the input data ( an integer x) using z-score normalization whose equation is provided below

z =( x-mean)/ std

Accept mean and standard deviation(std) from the user and compute the normalized value

1. Compute BMI(Body Mass Index) of a person

Accept mass in kg and height in meters

BMI = (mass) / (height\*height)

1. Accept preferred name for mail account from the user and create a mail id by appending the domain information

Consider domain as @google.com

Ex: if user name is 'all' , mail id is [all@google.com](mailto:all@google.com)

1. Consider the following books are bought by the user through Amazon web portal. The rate and quantity of the items are provided below.

The user is also entitled for a discount of 15% for the purchase. Find the total cost of purchase in rupees.

|  |  |  |
| --- | --- | --- |
| Item | Quantity | Cost |
| The Alchemist | 2 | $50 |
| Rich dad and poor dad | 3 | $67 |
| Harry Potter | 1 | $100 |