1. BMI :

Input- height in meters, weight in kg

output- body mass index

process- weight / (height^2)

2 MILES

Input- capacity of the car in gallons (gal), the amount of miles the car goes in a gallon(mpg)

Output- the miles the car goes in a full tank

process- miles = mpg \* gal

3 LETTER

Input- a random letter

output- the lower or upper equivalent of that letter

process- if the input letter is upper case

change it to lower case

else change it to upper case

4 EXPONENTIAL FUNCTION

Input- exponent(y), base numbers(x)

output- x^y

process- x^y

5 SALARY

Input- name, base salary(base), working hour per week(hour), bonus per hour(bonus)

Output- gross salary, net salary, bonus salary

process- tax rate=0.2\* base

bonus salary = hour\*bonus

gross salary =bonus salary + base

net salary = gross salary - tax rate

6 Input- file size (in megabytes or bytes)

Output- Time it takes to send a file(in seconds)

process- time = file size / 960