Q1) Write a program to calculate f(x) = sin(x) where x is in degree.

Q2) Create a function that accepts a list of numbers and returns the sum of elements on the list.
For example:
If a list **[1, 3, 6, 8, 12]** is passed as an argument to a function, the function should return a value of **30**.

Q3) Write a program to calculate the sum of digit of a number using fuction.

Q4) Write a program to calculate the smallest divisor of a number using function.
for example: samllest divisor of 15 is 3.

Q5) Write a program to check a given number is perfect number or not using function.

A positive integer is called a perfect number if it is equal to the sum of all of its divisors, including 1 but excluding the number itself. For example, 6 = 1 + 2 + 3.

Q6) Write a function that takes two integers m and n as arguments and prints out an **m×n** box consisting of asterisks.

for example: **rectangle(3,4)** should print following output:

```
* * * *
* * * *
* * * *
```

Q7) Write a python program to create a matrix of dimensions m x n without using any additional libraries and display the values.

Q8) Write a program for addition of two matrices.

Q9) Write a program to identify the given matrix is diagonal matrix or not.

✓ 10s completed at 2:16 PM