# AI ASSISTED CODING

# LAB TEST-1

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## BATCH-11

QUESTION 1: Write a python code to calculate the sum of odd and even numbers in a given list of integers Using GitHub copilot along with VS code. Use zero shot prompting.

Prompt: write a code to calculate the sum of even and odd numbers in a given list

Code and output:

A screenshot of a computer program

AI-generated content may be incorrect.

Question 2: write a python code for given a list of integers, remove duplicates and print the sorted list. Use GitHub copilot along with VS code. Use one shot prompting.

Prompt: write a python code, it should take a list of integers, remove duplicates and print the sorted result.  
for example: the list = [1,5,3,8,5,2,8,9],  
then the result would be [1,2,3,5,8,9].  
code should take an input and give results as the above example.

A screen shot of a computer program

AI-generated content may be incorrect.

Question 3: Write a python function that converts the temperature between Celsius, Fahrenheit, and Kelvin based on user choice. Use Cursor AI tool. Use few shot prompting.

Prompt: write a python function that converts temperature between celsius, fahrenheit and kelvin based on user input.  
the code should provide 3 options for input temperature then request the user to choose one option then provide 2 options for convert temperature to other type  
for example:   
1. Celsius 2. Fahrenheit 3. kelvin  
choose input temp type (1,2,3):1  
enter the temperature:45  
choose type to convert:2

result:113  
choose input temp type (1,2,3):1  
enter the temperature:73  
choose type to convert:2  
result:163.4

code:

A screenshot of a computer program

AI-generated content may be incorrect.

A screenshot of a computer program

AI-generated content may be incorrect.

A screen shot of a computer program

AI-generated content may be incorrect.

A computer screen shot of text

AI-generated content may be incorrect.

Output:

A screen shot of a computer

AI-generated content may be incorrect.

Queston 4: write a python function to remove punctuation, convert to lowercase, and remove stop words from a given text. Use Cursor AI tool. Use zero shot prompting.

Prompt: Generate a python function which takes a piece of text then removes punctuation, converts to lowercase, and removes stop words and gives the output text.

The code should give an example text and result and also take another input from user.

Code:

A screen shot of a computer

AI-generated content may be incorrect.

A screenshot of a computer program

AI-generated content may be incorrect.

Output:

A black background with gold text

AI-generated content may be incorrect.