ASSIGNMENT-2

DOMAIN:DATA SCIENCE WITH AI-ML

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> *Using python program to find the sum of all even number in a given list.*

PROGRAM:

```python
def sum_of_even_numbers(numbers):
    # Initialize the sum variable
    even_sum = 0

    # Iterate over each number in the list
    for number in numbers:
        # Check if the number is even
        if number % 2 == 0:
            # Add the even number to the sum
            even_sum += number

    return even_sum

# Example usage
my_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
result = sum_of_even_numbers(my_list)
print("The sum of even numbers in the list is:", result)
```

OUTPUT:

The sum of even numbers in the list is: 30

Example:

```python
# Example usage
my_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10,25,90,200]
```

output:

The sum of even numbers in the list is: 320

Example:

```
# Example usage
my_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10,100,500,900]
```

output:

The sum of even numbers in the list is: 1530

Example:

```
# Example usage
my_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10,100,5000,10000]
```

output:

The sum of even numbers in the list is: 15130