ai-ml-assignment-1-basic-python

October 25, 2023

```python
# Create two list and join those two list
list1 = [1, 2]
list2 = [3, 4]
list1.extend(list2)
print(list1)
```

```
[1, 2, 3, 4]
```

```python
# With If statement find the even numbers
def even(number):
    if(number%2==0):
        print(number,"is a even number")
    else:
        print(number,"is a odd number")

value=int(input("Enter a number to check even or not:\n"))
even(value)
```

```
Enter a number to check even or not:
5
5 is a odd number
```

```python
# Create a dictionary with 3 keys and 2 values for each key
dictionary={
    "Fruit":["Apple","Banana"],
    "Animal":["Cat","Dog"],
    "Flower":["Lily","SunFlower"]
    }
print(dictionary)
```

```
{'Fruit': ['Apple', 'Banana'], 'Animal': ['Cat', 'Dog'], 'Flower': ['Lily',
'SunFlower']}
```

```python
# Create a function with If statement whis is used to find the odd numbers
def odd(number):
    if(number%2==0):
        print(number,"is a even number")
    else:
```

```
        print(number,"is a odd number")

value=int(input("Enter a number to check odd or not:\n"))
odd(value)
```

Enter a number to check odd or not:
5
5 is a odd number

[ ]:
```python
# Write a Python function to sum all the numbers in a list.
def sum(list):
  result=0
  for i in list:
    result+=i
  return result
listSample=[8,2,3,0,7]
output=sum(listSample)
print(output)
```

20