

# nm-basicpython

October 30, 2023

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[ ]: #Create two list and join those two list
list1 = [1, 2, 3, 4, 5]
list2 = [6, 7, 8, 9, 10]
joined_list = list1 + list2
print("Joined List:", joined_list)
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Joined List: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

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[ ]: #With If statement find the even numbers
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
even_numbers = [num for num in numbers if num % 2 == 0]
print("Even Numbers:", even_numbers)
```

Even Numbers: [2, 4, 6, 8, 10]

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[ ]: #Create a dictionary with 3 keys and 2 values for each key
my_dictionary = {'Color': ['Red', 'Blue2'], 'Fruits': ['Apple', 'Orange'],
    ↪ 'Vehicles': ['Car', 'Truck']}
print("Dictionary:", my_dictionary)
```

Dictionary: {'Color': ['Red', 'Blue2'], 'Fruits': ['Apple', 'Orange'],  
'Vehicles': ['Car', 'Truck']}

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[ ]: #Create a function with If statement whis is used to find the odd numbers
def check_odd_even(number):
    if number % 2 == 0:
        print(f"{number} is an even number")
    else:
        print(f"{number} is an odd number")

value = int(input("Enter a number to check whether it is odd or even:\n"))
check_odd_even(value)
```

Enter a number to check whether it is odd or even:

5

5 is an odd number

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[ ]: # Write a Python function to sum all the numbers in a list.  
# Sample List : (8, 2, 3, 0, 7)  
# Expected Output : 20  
def calculate_sum(num_list):  
    result = 0  
    for num in num_list:  
        result += num  
    return result  
sample_list = [8, 2, 3, 0, 7]  
output = calculate_sum(sample_list)  
print(output)
```

20

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[ ]:
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