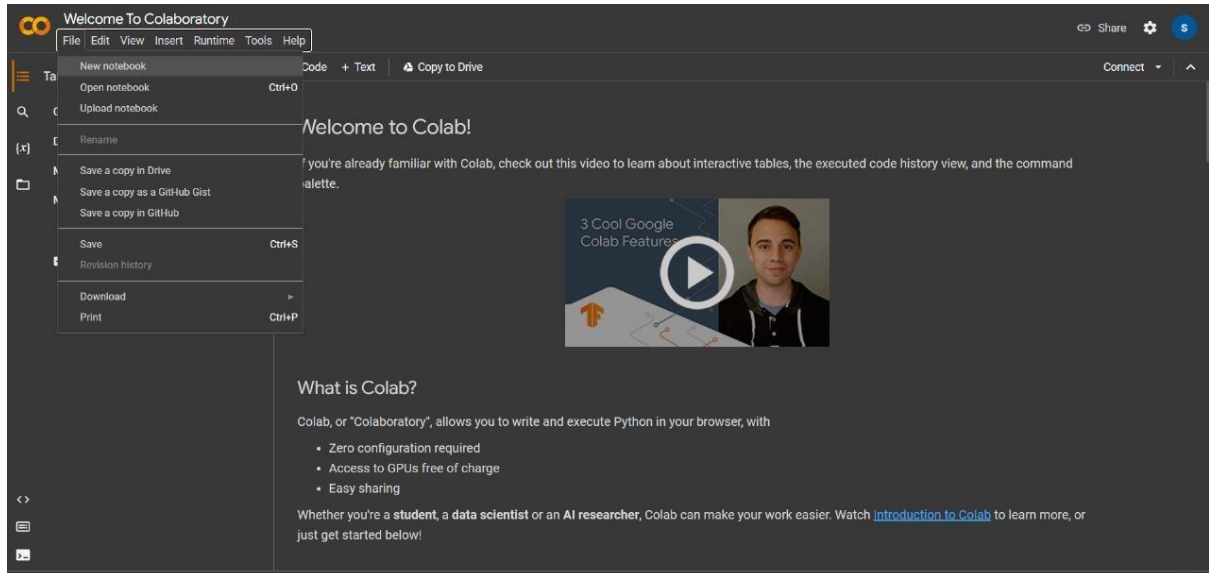


# Assignment 4

-Rohinth V

Open Google Colab and create a new notebook



## Task - 1

Create two list and join those two lists.

```
Task-1 Create two list and join those two list

[1] # Creating two lists
list1 = [1, 2, 3]
list2 = [4, 5, 6]

# Joining the two lists
joined_list = list1 + list2

# Print the joined list
print("Joined list:", joined_list)

Joined list: [1, 2, 3, 4, 5, 6]
```

## Task - 2

With If statement find the even numbers

```
Task - 2 With If statement find the even numbers

[2] numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

even_numbers = []

for num in numbers:
    if num % 2 == 0:
        even_numbers.append(num)

print("Even numbers:", even_numbers)

Even numbers: [2, 4, 6, 8, 10]
```

## Task - 3

Create a dictionary with 3 keys and 2 values for each key

```
Task - 3 Create a dictionary with 3 keys and 2 values for each key

my_dict = {
    'Name': ['Appu', 'Bala'],
    'Age': [35, 20],
    'Department': ['CSE', 'EEE']
}

print(my_dict)

{'Name': ['Appu', 'Bala'], 'Age': [35, 20], 'Department': ['CSE', 'EEE']}
```

## Task - 4

Create a function with If statement which is used to find the odd numbers

```
Task - 4 Create a function with If statement which is used to find the odd numbers

[5] def find_odd_numbers(numbers):
    odd_numbers = []

    for num in numbers:
        if num % 2 != 0:
            odd_numbers.append(num)

    return odd_numbers

numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

odd_numbers = find_odd_numbers(numbers)
print("Odd numbers:", odd_numbers)

Odd numbers: [1, 3, 5, 7, 9]
```

## Task - 5

Write a Python function to sum all the numbers in a list.

Sample List: (8, 2, 3, 0, 7)

Expected Output: 20

```
Task - 5 Write a Python function to sum all the numbers in a list. Sample List : (8, 2, 3, 0, 7) Expected Output : 20

[6] def sum_of_numbers(numbers):
    total_sum = 0

    for num in numbers:
        total_sum += num

    return total_sum

sample_list = [8, 2, 3, 0, 7]

result = sum_of_numbers(sample_list)
print("Sum of numbers:", result)

Sum of numbers: 20
```