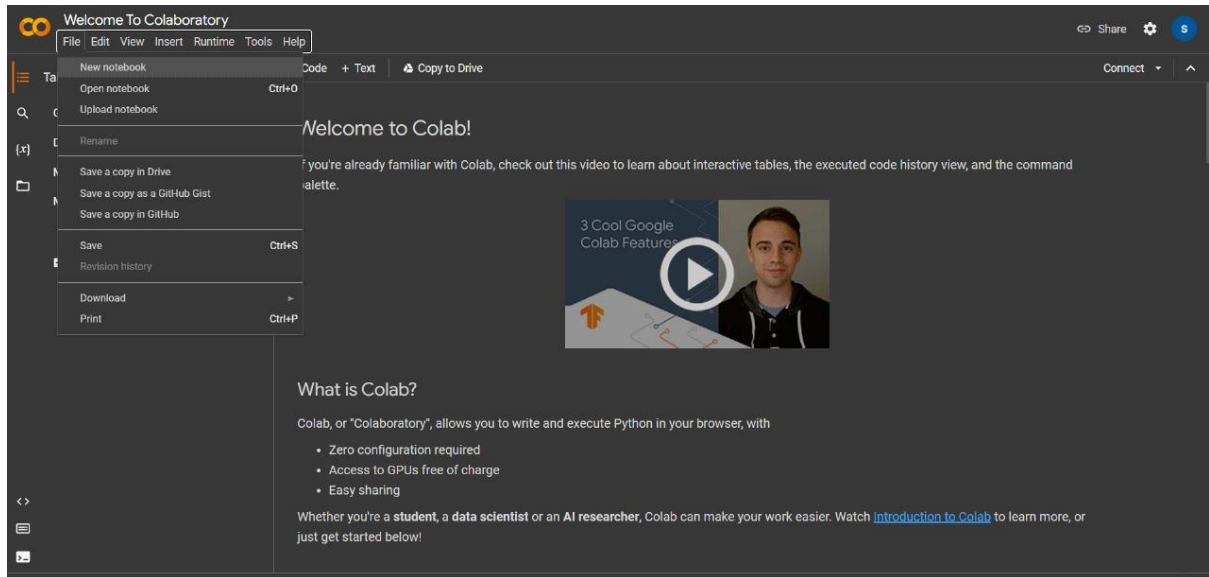


Assignment 4

- Sandhiya S

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 = [9,8,7]
list2 = [5,4,2]

#joining the two lists
joined_list = list1 + list2

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

Joined List: [9, 8, 7, 5, 4, 2]
```

Task - 2

With If statement find the even numbers

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

numbers = [11,12,13,14,15,16,17,18,19,20]

evennumbers = []

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

print("Even numbers:",evennumbers)
```

Even numbers: [12, 14, 16, 18, 20]

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' : ['Akshaya','Babu'],
    'Age' : [24,25],
    'Department' : ['CSE','IT']
}

print(my_dict)
```

{'Name': ['Akshaya', 'Babu'], 'Age': [24, 25], 'Department': ['CSE', 'IT']}

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

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

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

    return odd_numbers

numbers = [11,12,13,14,15,16,17,18,19,20]

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

Odd numbers: [11, 13, 15, 17, 19]
```

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

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
```