```
# Mount Google Drive
from google.colab import drive
drive.mount ('/content/drive')
```

→ Mounted at /content/drive

```
[2] string = list(input("Enter a string: "))
    del string[2]
    string.reverse()
    result = ''.join(string)
    print(result)
```

Enter a string: python nohyp

```
[ ] num1 = float(input("Enter the first number: "))
  num2 = float (input ("Enter the second number:"))
  addition = num1 + num2
  subtraction = num1 - num2
  multiplication = num1 * num2
  division = num1 / num2
  print("Addition:", addition)
  print("Subtraction:", subtraction)
  print("Multiplication:", multiplication)
  print("Division:", division)
```

Enter the first number: 50
Enter the second number: 56
Addition: 106.0
Subtraction: -6.0
Multiplication: 2800.0

Division: 0.8928571428571429

```
sentence = input("Enter a sentence: ")
updated_sentence = sentence. replace("python", "pythons")
print(updated_sentence)
```

Enter a sentence: I love playing with python I love playing with pythons

```
[ ] score = int(input("Enter your score: "))
   if score >= 90:
      grade = "A"
   elif score >= 80:
      grade = "B"
   elif score >= 70:
      grade = "C"
   elif score >= 60:
      grade = "D"
   else:
      grade = "F"
   print("Your grade is:",grade)
```

Finter your score: 92
Your grade is: A

```
[ ] x = [23, 'Python', 23.98]
    print(x)
    types = [type(i) for i in x]
    print(types)
```

[23, 'Python', 23.98] [<class 'int'>, <class 'str'>, <class 'float'>]

```
[ ] IT_companies = {'Facebook', 'Google', 'Microsoft', 'Apple', 'IBM', 'Oracle', 'Amazon'}
         A = \{19, 22, 24, 20, 25, 26\}
          B = \{19, 22, 20, 25, 26, 24, 28, 27\}
          age = [22, 19, 24, 25, 26, 24, 25, 24]
          print("Length of Companies:", len(IT_companies))
          IT_companies.add('Twitter')
          print("Companies after adding 'Twitter':", IT_companies)
          IT_companies.update({'TCS', 'Infosys', 'Wipro'})
          print("Companies after adding multiple companies:", IT_companies)
          IT_companies.remove('Oracle')
          print("Companies after adding 'Oracle':", IT_companies)
          IT_companies.discard('NonExistentCompany')
          A_union_B = A.union(B)
          print("Union of A and B:", A_union_B)
          A_intersection_B = A.intersection(B)
          print("Intersection of A and B:", A_intersection_B)
          is_subset = A.issubset(B)
          print("Is A a subset of B?", is_subset)
          are_disjoint = A.isdisjoint(B)
          print("Are A and B disjoint?", are_disjoint)
    A.update(B)
    B.update(A)
    print("A after joining with B:", A)
    print("B after joining with A:", B)
    A\_symmetric\_difference\_B = A.symmetric\_difference(B)
    \verb|print("Symmetric difference between A and B:", A_symmetric\_difference\_B)|\\
    del A
    age_set = set(age)
    print("Original list length:", len(age))
    print("Set length:", len(age_set))

    Length of Companies: 7

    Length of Companies: 7
Companies after adding 'Twitter': {'Twitter', 'Microsoft', 'Oracle', 'Facebook', 'Apple', 'Amazon', 'Google', 'IBM'}
Companies after adding multiple companies: {'Twitter', 'Microsoft', 'Facebook', 'Apple', 'Amazon', 'Infosys', 'TCS', 'Oracle', 'Google', 'Wipro', 'IBM'}
Companies after adding 'Oracle': {'Twitter', 'Microsoft', 'Facebook', 'Apple', 'Amazon', 'Infosys', 'TCS', 'Google', 'Wipro', 'IBM'}
Union of A and B: {19, 20, 22, 24, 25, 26, 27, 28}
Intersection of A and B: {19, 20, 22, 24, 25, 26}
To A a cubect of B? True
    Is A a subset of B? True
Are A and B disjoint? False
    A after joining with B: (19, 20, 22, 24, 25, 26, 27, 28) B after joining with A: (19, 20, 22, 24, 25, 26, 27, 28) Symmetric difference between A and B: set()
    Original list length: 8
    Set length: 5
```