TASK 1

```
# TASK 1 - Joining two lists
A = []
B = []
print("Enter value for the first list (or '00' to finish): ")
while True:
    item = input()
    if item == '000':
        break
    A.append(item)
print("Enter value for the second list (or '00' to finish): ")
while True:
    item = input()
    if item == '000':
        break
    B.append(item)
joined_list = A + B
print("Joined List:", joined_list)
```

```
 Enter value for the first list (or '00' to finish):
 8
 2
 000
 Enter value for the second list (or '00' to finish):
 1
 1
 000
 Joined List: ['8', '2', '1', '1']
```

TASK 2

```
#TASK -2 Finf even numbers
even_numbers = []
print("Enter the value (or '00' to finish): ")
while True:
    user_input = input()

    if user_input == '00':
        break

    try:
        number = int(user_input)
        if number % 2 == 0:
            even_numbers.append(number)
    except ValueError:
        print("Invalid input. Please enter a valid number.")
if even_numbers:
    print("Even numbers entered:", even_numbers)
else:
    print("No even numbers were entered.")
```

```
 Enter the value (or '00' to finish):
 9
 0
 00
 Even numbers entered: [0]
```

TASK 3

Double-click (or enter) to edit

```
#TASK - 3  Dictionary with 3 key and 2 values
my_dict = {}
for i in range(3):
    key = input(f"Enter key: ")
    value1 = input(f"Enter the first value for {key}: ")
    value2 = input(f"Enter the second value for {key}: ")
```

```
    my_dict[key] = [value1, value2]
print("Dictionary with 3 keys and 2 values for each key:")
print(my_dict)
```

```
Enter key: 3
Enter the first value for 3: 3
Enter the second value for 3: 3
Enter key: 3
Enter the first value for 3: 4
Enter the second value for 3: 2
Enter key: 1
Enter the first value for 1: 1
Enter the second value for 1: 5
Dictionary with 3 keys and 2 values for each key:
{'3': ['4', '2'], '1': ['1', '5']}
```

TASK 4

```
#TASK - 4 To find odd numbers
def find_odd_numbers():
    odd_numbers = []
    print("Enter a number (or '00' to finish): ")
    while True:
        user_input = input()
        if user_input == '00':
            break

        try:
            number = int(user_input)
            if number % 2 != 0:
                odd_numbers.append(number)
        except ValueError:
            print("Invalid input. Please enter a valid number.")
    if odd_numbers:
        print("Odd numbers entered:", odd_numbers)
    else:
        print("No odd numbers were entered.")
find_odd_numbers()
```

```
Enter a number (or '00' to finish):
2
2
2
2
00
No odd numbers were entered.
```

TASK 5

```
#TASK-5 sum of all values
numbers = []
print("Enter a number (or '00' to finish): ")
while True:
        user_input = input()

        if user_input == '00':
            break

        try:
            number =int(user_input)
            numbers.append(number)
        except ValueError:
            print("Invalid input. Please enter a valid number.")
total = sum(numbers)
print("Sum of numbers:", total)
```

```
Enter a number (or '00' to finish):
3
2
00
Sum of numbers: 5
```