**TASK 1** - Joining two lists

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

```
Enter value for the first list (or '00' to finish):
0
9
2
00
Enter value for the second list (or '00' to finish):
2
34
6
00
Joined List: ['0', '9', '2', '2', '34', '6']
```

**TASK-2** Find 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):
45
4
5
0
00
Even numbers entered: [4, 0]
```

**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: Av
Enter the first value for Av: 1
Enter the second value for Av:
Enter key: Hl
```

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

**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):
00
No odd numbers were entered.
```

**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):
00
Sum of numbers: 0
```