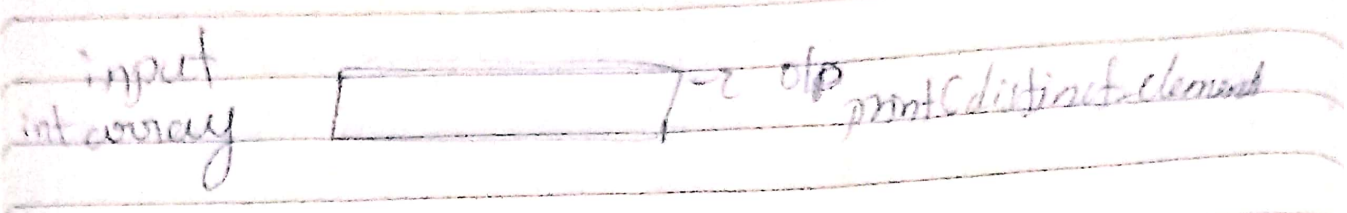
Day 21: coding workshop 5

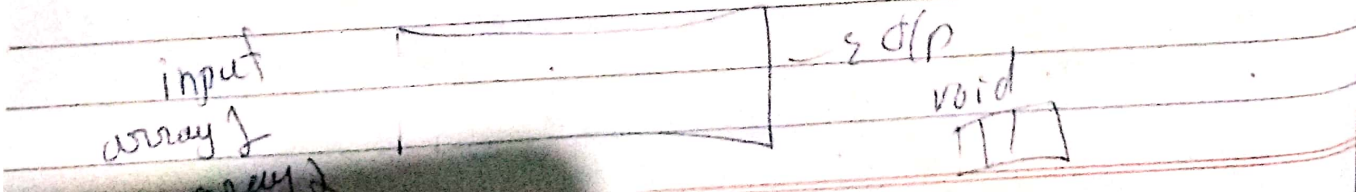
16) Functions to print unique elements in an integer array printUniqueElements

find distinct element




```
def print_unique_elements(array: list) -> list:
    for read_index in range(0, len(array)-1
        is_duplicate = False
        for compare_index in range(0, len(array)
            if read_index == compare_index
                continue
            if array[read_index] == array[
                compare_index]
                is_duplicate = True
                breaks
        if is_duplicate == False:
            print(array[read_index], end = " ")
```

17) Function to print intersection or common elements of two integer arrays



```
def common_elements(array1: list, array2: list)
    :
    for array1[array1_value
    for array1_value in range(0, len(array1)-1):
        is_found = False

        for array2_value in range(0, len(array2)-1)

            if array1[array1_value] ==
                                array2[array2_value]:
                is_found = True
                break

        if is_found:
            print(array1[array1_value])
```

12) Function to get count of words in the string

```
count_of_words
```

how are you
① ② ③
0 ② ③

counter = 1 + 1 + 1 = 3

input string → get_count_of_words() → o/p count

```
def get_count_words(string: str) -> int:
    counter = 1
    if len(string) == 0:
        return 0
    for char in string:
        if char == ' ' or char == '\t'
            or char == '\n':
            counter += 1
    return counter
```

(9) Function to print binary values of various input like integer, char, also perform shift operation on integer

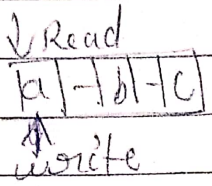
I/P int (10) → O/P binary value 1010

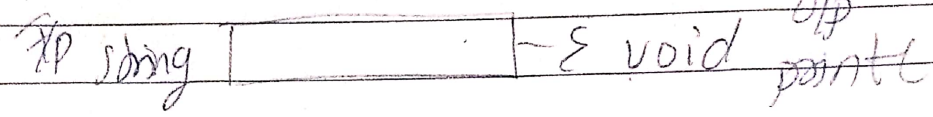
```
def print_binary_value(number: int):
    no_of_bits = number.bit_length()
    print("no of bits:", no_of_bits)
    mask = 1
    mask = mask << no_of_bits - 1
    for _ in range(no_of_bits):
```

```
if (number & mask):
    print("1", end="")
else:
    print("0", end="")
mask = mask >> 1
```

20) Function to remove spaces ~~from~~ the string

a b c
abc





def ~~remove extra space~~

```
def remove_space(string: str):
    output = ""
    for character in string:
        if character != ' ' and character != '\t' and
            character != '\n':
            output += character
    print(output)  or return output
```