INPUT

#to store name and total marks in a dictionary by taking input from user and then find Topper(ripunjay,manasvi)

adding = True

report\_card = {}

topper\_dict = {}

while adding:

name = input("Enter Student's Name: ")

marks = int(input("Enter Student's Marks: "))

report\_card[name] = marks

adding = True if input("Continue adding records? (y to continue and n to stop)").lower() == "y" else False

topper\_threshold = max(report\_card.values()) - 10

print("Topper list:")

for name, marks in report\_card.items():

if marks >= topper\_threshold:

topper\_dict[name] = marks

print(f"{name} scored {topper\_dict[name]} marks.")

OUTPUT

Enter Student's Name: ripunjay

Enter Student's Marks: 100

Continue adding records? (y to continue and n to stop)y

Enter Student's Name: manasvi

Enter Student's Marks: 100

Continue adding records? (y to continue and n to stop)y

Enter Student's Name: xyz

Enter Student's Marks: 0

Continue adding records? (y to continue and n to stop)n

Topper list:

ripunjay scored 100 marks.

manasvi scored 100 marks.

INPUT

#to Store Name and Phone number in a dictionary(ripunjay,manasvi)

cont = True

phonebook = {}

while cont:

name = input("Enter name: ")

phone\_no = int(input("Enter phone number: "))

phonebook[name.lower()] = phone\_no

cont = True if input("Add more? (type y to continue and n to stop): ").lower() == "y" else False

searching = True

while searching:

search\_method = input("Do you want to search by owner's name (type o) or by number (type n)?: ").lower()

if search\_method == "o":

name = input("Enter name to search for number: ").lower()

if name in phonebook.keys():

print("The phone number is:", phonebook[name])

else:

print("This person doesn't exist in our records.")

elif search\_method == "n":

input\_number = int(input("Enter number: "))

for name, number in phonebook.items():

if number == input\_number:

print("The name of the owner of this number is:", name)

break

else:

print("The number is not in our records.")

else:

print("Please enter a valid search method!")

searching = True if input("Do you want to search more? (enter y for yes n for no):").lower() == "y" else False

OUTPUT

Enter name: x

Enter phone number: 87878787878

Add more? (type y to continue and n to stop): y

Enter name: z

Enter phone number: 767687686855

Add more? (type y to continue and n to stop): n

Do you want to search by owner's name (type o) or by number (type n)?: o

Enter name to search for number: x

The phone number is: 87878787878

Do you want to search more? (enter y for yes n for no):n

INPUT

# dictionary of students where name is the key, marks is the value of the dictionary

(ripuunjay,manasvi)

adding = True

report\_card = {}

while adding:

name = input("Enter name of student: ")

marks = int(input("Enter marks of student: "))

report\_card[name] = marks

adding = True if input("Enter y to continue adding and n to stop: ").lower() == "y" else False

dupl\_list = []

no\_duplicates = {}

for key, value in report\_card.items():

if value not in dupl\_list:

no\_duplicates[key] = value

dupl\_list.append(value)

print(no\_duplicates)

OUTPUT

Enter name of student: x

Enter marks of student: 34

Enter y to continue adding and n to stop: y

Enter name of student: h

Enter marks of student: 83

Enter y to continue adding and n to stop: n

{'x': 34, 'h': 83}

INPUT

#dictionary of n employees where names are keys and values of each employee is a collection of BASIC(input by the user), DA(20% of Basic), HRA(10% of Basic), TA(10% of Basic) (ripunjay,manasvi)

num = input("Enter a number: ")

word\_form = ""

word\_dic = {

"0": "zero",

"1": "one",

"2": "two",

"3": "three",

"4": "four",

"5": "five",

"6": "six",

"7": "seven",

"8": "eight",

"9": "nine"

}

for digit in num:

if digit in word\_dic.keys():

word\_form += word\_dic[digit] + " "

else:

print("Please Enter A Valid Number And Try Again!")

break

print(word\_form)

OUTPUT

Enter a number: 74737373

seven four seven three seven three seven three