

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
(ripunjay,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