

```
In [ ]: # LIST
#Write a PYTHON script with List comprehension for the following
#• Is the given List divisible by 3 or NOT?
#• Square of even numbers in a List
#• Sum of digits of all EVEN numbers in a List
#• Remove duplicate numbers in a List
def numlist(newlist):
    return [num for num in newlist if num % 3 == 0]
my_list = [1,2,3,4,5,6,7,8,9]
result = numlist(my_list)
print(result)

def numlist(newlist):
    return [num ** 2 for num in newlist if num % 2 ==0]
my_list=[1,2,3,4,5,6,7,8,9]
result = numlist (my_list)
print(result)

def numlist(newlist):
    return [num for num in newlist if num % 2 ==0]
my_list=[1,2,3,4,5,6,7,8,9]
result = numlist (my_list)
print(result)
sum = 0
for i in result:
    sum += i
print(sum)

def numlist(newlist):
    return [num for num in newlist if num % 2 ==0]
my_list=[1,2,3,4,5,6,7,8,9]
result = numlist (my_list)
print(result)

def numlist(newlist):
    return list(set(newlist))
my_list = [1, 2, 2, 3, 3, 4, 5, 5,4, 5]
print(my_list)
result = numlist(my_list)
print(result)
```

```
[3, 6, 9]
[4, 16, 36, 64]
[2, 4, 6, 8]
20
[2, 4, 6, 8]
[1, 2, 2, 3, 3, 4, 5, 5, 4, 5]
[1, 2, 3, 4, 5]
```

```
In [ ]: #Create a dictionary to store the details of your company employees (name as key
#birthdate as value).
#{ 'Virat Kohli': '5 November 1988', 'Umesh Yadav': '25 October 1987', 'Manish P
#10 September 1989', 'Rohit Sharma': '30 April 1987', 'Ravindra Jadeja': '6 Dec
#1988', 'Hardik Pandya': '11 October 1993' }
#Write a function birthDate() that takes the full name of your employees(as a st
#displays the given employee's birthdate.
#>>>birthDate('Rohit Sharma')
#'30 April 1987'
```

```
employee_details = {  
    'justin ziv patil': '4 November 2001',  
    'mary dinaice e': '24 july 2002',  
    'S p Patil ': '03 January 1974',  
    'mamatha ': '04 february 1980',  
    'denzil hevin patil': '1 December 2004',  
    'Harshitha sherlin': '10 October 1993'  
}  
  
def birthDate(full_name):  
    return employee_details.get(full_name, 'Employee not found in the records.')  
employee_name = 'mary dinaice e'  
birthdate = birthDate(employee_name)  
print(birthdate)
```

24 july 2002

In []: