assign2

August 2, 2023

```python
#Is the given list divisible by 3 or NOT?

#a=[1,2,3,4,5,6,7,8,9,10,12,10,3]
a=[3,6,9]

ans=[x for x in a if x%3==0]
if len(ans)==len(a):
    print("It is divisible")
    print(ans)
else:
    print("Its not")
```

```
It is divisible
[3, 6, 9]
```

```python
#Square of even numbers in a list

ans=[x**2 for x in a if x%2==0]
print(ans)
```

```
[4, 16, 36, 64, 100, 144, 100]
```

```python
#Sum of digits of all EVEN numbers in a list
ans=[x for x in a if x%2==0]
ans1=sum(ans)
print(ans1)
```

```
52
```

```python
#Remove duplicate numbers in a list
ans=[x for x in list(set(a))]
print(ans)
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12]
```

```python
#Dictionary
birth={ "Virat Kohli": "5 November 1988", "Umesh Yadav": "25 October 1987",
"Manish Pandey":
"10 September 1989", "Rohit Sharma": "30 April 1987", "Ravindra Jadeja": "6
December 1988", "Hardik Pandya": "11 October 1993" }
```

```python
def birthDate():
    x=input("Enter the name=")
    print(birth.get(x))
birthDate()
```

5 November 1988