PYTHON LAB = 3

1. Using input() function take one number from the user and using ternary operators check whether the number is even or odd .

Sol.

```
n=int(input("Enter a number:"))
if n%2==0:
   print(n,"is even")
else:
    print(n,"is odd")
```

```
= RESTART: C:\Users\narut\Desktop\New folder\oddandeven.py
Enter a number:6
6 is even
>>>
```

2. Using input function take two number and then swap the number .

Sol.

```
a=10
b=20
print("Before interchange: a=",a,"and b=",b)
t=a  #t=10
a=b  #a=20
b=t  #b=10
print("After interchange: a=",a,"and b=",b)
```

```
>>>
========== RESTART: C:\Users\narut\Desktop\New folder\oddandeven.py ==========
Before interchange: a= 10 and b= 20
After interchange: a= 20 and b= 10
>>>
```

3.Write a Program to Convert Kilometers to Miles .

Sol.

```
Km=float(input("Enter values in km :"))
conv_fact= 0.621371
miles = Km*conv_fact
print(miles)
```

```
>>>
========== RESTART: C:\Users\narut\Desktop\New folder\oddandeven.py ==========
Enter values in km :10
6.21371
>>>
```

4. Find the Simple Interest on Rs. 200 for 5 years at 5% per year.

Sol.

```
P=float(input('Enter principal amount:'))
R = float(input('Enter the interest rate: '))
T = float(input('Enter time: '))
SI = (P * R * T) / 100
print('Simple interest = ',SI )
```

```
>>>
============ RESTART: C:\Users\narut\Desktop\New folder\ternory.py ============
Enter principal amount:200
Enter the interest rate: 5
Enter time: 5
Simple interest =  50.0
>>>
```