

# 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.

CODE:

```
number = int(input("Enter a number: "))
result = "Even" if number % 2 == 0 else "Odd"
print(f"The number is {result}.")
```

Solution: Enter a number: 5

The number is Odd.

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

CODE:

```
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))
num1, num2 = num2, num1
print(f"After swapping: num1 = {num1}, num2 = {num2}")
```

Solution:

Enter the first number: 5

Enter the second number: 10

After swapping: num1 = 10, num2 = 5

3. Write a Program to Convert Kilometers to Miles.

CODE: kilometers = float(input("Enter the distance in kilometers: "))

miles = kilometers \* 0.621371

print(f"{kilometers} kilometers is equal to {miles} miles.")

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**Solution:** Enter the distance in kilometers: 5  
5.0 kilometers is equal to 3.106855 miles.

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

**CODE:**

```
# Given values  
  
P = 200 # Principal amount in Rs  
  
R = 5  # Rate of interest in percentage  
  
T = 5  # Time in years  
  
SI = (P * R * T) / 100  
  
# Display the result  
  
print(f"The Simple Interest is Rs. {SI}")
```

**Solution:** The Simple Interest is Rs. 50.0