

Q1. Using input() function take one number from the user and using ternary operators check whether the number is even or odd.

```
number = int(input("Enter a number: "))

# Check if the number is even or odd using a ternary operator
result = "Even" if number % 2 == 0 else "Odd"

# Print the result
print(f"The number is {result}.")
```

OUTPUT : Enter a number: 89 The number is Odd.

Q2. Using input function take two number and then swap the number

```
# Take two numbers as input from the user
num1 = int(input("Enter the first number: "))
num2 = int(input("Enter the second number: "))

#Swap the numbers
num1, num2 = num2, num1

#Print the swapped numbers
print("After swapping:")
print("First number:", num1)
print("Second number:", num2)
```

OUTPUT:

```
Enter the first number: 13
Enter the second number: 89
After swapping:
First number: 89
Second number: 13
```

Q3. Write a Program to Convert Kilometers to Miles

```
# Take input from the user
kilometers = float(input("Enter distance in kilometers: "))

# Convert kilometers to miles
miles = kilometers * 0.621371

# Print the result
print(miles)
```

OUTPUT: Enter distance in kilometers: 45.78 28.446364380000002

Q4. Find the Simple Interest on Rs. 200 for 5 years at 5% per year.

```
# Define the principal, rate, and time
P = 200 # Principal amount in Rs
R = 5   # Annual interest rate in percent
T = 5   # Time in years

# Calculate the simple interest
SI = (P * R * T) / 100

# Print the result
print("Simple Interest:", SI)
```

OUTPUT: Simple Interest: 50.0