

SUMANTH S

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Python LAB 3 Statements

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

```
num = int(input("Enter a Number:")) #taking user input
res = "even" if num % 2 == 0 else "odd" #checking the number is even or odd
using modulo operator '%'
print("The number ",num, "is" ,res) # The result stored in 'res' variable using
ternary operator and displaying output
```

Output

Enter a Number:9
The number 9 is odd

Enter a Number:6
The number 6 is even

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

```
num1 = int(input("Enter a Num1:")) #taking user input for num1
num2 = int(input("Enter a Num2:")) #taking user input for num2
print("Before swapping : num1 =",num1, "num2 =", num2)# Before Swapping
num1, num2 = num2, num1 # swapping 2 numbers
print("After swapping : num1 =",num1, "num2 =", num2) # After Swapping
```

Output

Enter a Num1:10
Enter a Num2:20
Before swapping : num1 = 10 num2 = 20
After swapping : num1 = 20 num2 = 10

3. Write a Program to Convert Kilometers to Miles

```
kilometers = int(input("Enter distance in Kilometers: "))# taking user input
distance in kilometers
miles = kilometers * 0.621371 # 1 kilometer is approximately equals to 0.621371
miles
print(kilometers, "Kilometers is equal to",miles,"miles") # displaying Kilometers
in miles
```

Output

Enter distance in Kilometers: 25
25 Kilometers is equal to 15.534275000000001 miles

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

```
principal = 200 #taking principal value
rate = 5 # taking rate value
time = 5 # taking time value
SI = (principal * rate * time)/100 # formula to find Simple interest
print("The simple interest on Rs", principal, "for", time, "years at ",rate, "per year
is Rs = ",SI) # Displaying the simple Interest
```

Output

The simple interest on Rs 200 for 5 years at 5 per year is Rs = 50.0