

#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: "))
if num > 1:
    for i in range(2, int(num ** 0.5) + 1):
        if num % i == 0:
            print(f"{num} is not a prime number.")
            break
    else:
        print(f"{num} is a prime number.")
else:
    print(f"{num} is not a prime number.")
```

Enter a number: 78

78 is not a prime number.

#Using input function take two number and then swap the number

```
num = int(input("Enter a number: "))
print(f"Multiplication table for {num}:")
for i in range(1, 11):
    print(f"{num} x {i} = {num*i}")
```

Enter a number: 66

Multiplication table for 66:

```
66 x 1 = 66
66 x 2 = 132
66 x 3 = 198
66 x 4 = 264
66 x 5 = 330
66 x 6 = 396
66 x 7 = 462
66 x 8 = 528
66 x 9 = 594
66 x 10 = 660
```

#Write a Program to Convert Kilometers to Miles

```
num = int(input("Enter a number: "))
sum_of_digits = 0

while num > 0:
    digit = num % 10
    sum_of_digits += digit
    num = num // 10

print("Sum of digits is",sum_of_digits)
```

Enter a number: 76

Sum of digits is 13

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

```
squares = [x**2 for x in range(1, 21) if x % 2 == 0]
```

```
print(squares)
```

```
print("Sum =",sum(squares))
```

```
[4, 16, 36, 64, 100, 144, 196, 256, 324, 400]
```

```
Sum = 1540
```