# 40 Easy Questions on For Loop, If, and Else

For Loop with Numbers:

1. Print numbers from 1 to 10.

for i in range (1,11)

Print(i)

1. Print even numbers from 1 to 20.

for I in range (1,20)

if I % 2 == 0

Print (“the number is even ”,i)

1. Print odd numbers from 1 to 20.

for I in range (1,20)

if I % 2 != 0

Print (“the number is odd ”,i)

1. Print numbers from 10 to 1 in reverse.

for i in range(10, 0, -1):

print(i)

1. Print multiples of 5 up to 50.

for i in range(5, 51, 5):

print(i)

1. Print the square of numbers from 1 to 5.

for i in range (1,6):

print(i)

1. Print numbers from 1 to n (n taken from user).

a = int(input(“Enter the input”))

for i in range (a):

print(i)

1. Print all numbers between 1 and 100 divisible by 7.

for i in range(1,100):

if i%7==0

print(f”{i} is divisible by 7”)

else:

print(f”{i} is not divisible by 7”)

1. Print numbers from 1 to 50. If number is even, print "Even", else print "Odd".

for i in range(1,50):

if i%2==0

print(f”{i} is even”)

else:

print(f”{i} is odd”)

1. Print first 10 natural numbers. For each number, print its square.

For I in range (1,11):

Print(i)

Print(“the square of the first 10 natural number is ” , i\*i)

For Loop with Lists:

1. Print each element of a given list

lst = [1, 2, 3, 4, 5]

for i in lst:

print(i)

1. Find and print only positive numbers from a list.

lst = [1, 2, 3, 4, 5]

for i in lst:

if I >=0:

print(i)

1. Print numbers greater than 50 from a list.

lst = [10, 60, 45, 90, 30]

for i in lst:

if i > 50:

print(i)

1. Print all strings starting with letter ‘A’ from a list.

lst = ["Apple", "Banana", "Avocado", "Cherry"]

for word in lst:

if word.startswith('A'):

print(word)

1. Count how many even numbers are in a list.

lst = [1, 2, 4, 5, 6, 7]

count = 0

for i in lst:

if i % 2 == 0:

count += 1

print("Even numbers count:", count)

1. Print all numbers in a list which are divisible by 3.

lst = [1,3,6,9,12,34,66]

for i in range(lst):

if i%3==0

print(f”{i} is divisible by 3”)

else:

print(f”{i} is not divisible by 3”)

1. Find the maximum number in a given list using for loop.

lst = [4, 7, 2, 9, 5]

max\_num = lst[0]

for i in lst:

if i > max\_num:

max\_num = i

print("Maximum:", max\_num)

1. Find the minimum number in a list using for loop.

lst = [4, 7, 2, 9, 5]

max\_num = lst[0]

for i in lst:

if i < min\_num:

min\_num = i

print("Minimum:", min\_num)

1. Find the sum of all numbers in a list using for loop.

lst = [4, 7, 2, 9, 5]

max\_num = lst[0]

for i in lst:

if i > max\_num:

max\_num = i

print("Maximum:", max\_num)

1. Find the average of all numbers in a list.

lst = [4, 7, 2, 9, 5]

total = 0

for i in lst:

total += i

average = total / len(lst)

print("Average:", average)

For Loop with Ranges and Conditions:

1. Print all prime numbers between 1 and 50.

for num in range(2, 51):

for i in range(2, num):

if num % i == 0:

break

else:

print(num)

1. Print all numbers between 1 and 100. If divisible by both 2 and 5, print the number.

For I in range (1,101):

If i%2==0 and i%5==0:

Print(i)

1. Print numbers between 1 and 30. If number is divisible by 3 print "Fizz", else print the number.

For I in range (1,31):

If i%3==0:

Print (“Fizz”)

Else:

Print(i)

1. Print "Hello" 5 times using for loop.

For I in range (5)

Print(“Hello”)

1. Find and print the factorial of a given number using for loop.

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

fact = 1

for i in range(1, n+1):

fact \*= i

print("Factorial:", fact)

1. Count all vowels in a given string using for loop.

string = input("Enter a string: ")

c = 0

for char in string:

if char.lower() in 'aeiou':

c += 1

print("Vowel count:", c)

1. Reverse a given string using for loop.

s = input("Enter a string: ")

rev = ''

for char in s:

rev = char + rev

print("Reversed:", rev)

1. Find the sum of digits of a number using for loop.

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

sum\_digits = 0

for digit in str(n):

sum\_digits += int(digit)

print("Sum of digits:", sum\_digits)

29. Print a multiplication table of a given number using for loop.

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

for i in range(1, 11):

print(f"{n} x {i} = {n\*i}")

1. Check if a number is palindrome using for loop.

n = input("Enter a number: ")

rev = ''

for i in n:

rev = i + rev

if n == rev:

print("Palindrome")

else:

print("Not a palindrome")

If-Else with User Input:

1. Take a number from user. Check if it is positive, negative, or zero.

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

if n > 0:

print("Positive")

elif n < 0:

print("Negative")

else:

print("Zero")

1. Take a year from user. Check if it is a leap year.

year = int(input("Enter year: "))

if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):

print("Leap year")

else:

print("Not a leap year")

1. Take a number from user. Check if it is even or odd.

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

if n % 2 == 0:

print("Even")

else:

print("Odd")

1. Take a number from user. Check if it is divisible by 5 and 11.

a = int(input(“Enter the number”))

for i in range (a):

if i%5==0 and i%11==0

print(f”{i} is divisible by 5 and 11”)

else:

print(f”{i} is not divisible by 5 and 11”)

1. Take a character from user. Check if it is a vowel or consonant.

a = input(“Enter a string”)

if a in ‘aeiou’:

print(“Vowel”)

else:

print(“consonant”)

1. Take a number from user. Check if it is a three-digit number.

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

if 100 <= n <= 999:

print("Three-digit number")

else:

print("Not a three-digit number")

1. Take a character from user. Check if it is uppercase or lowercase.

ch = input("Enter a character: ")

if ch.isupper():

print("Uppercase")

elif ch.islower():

print("Lowercase")

else:

print("Not a letter")

1. Take age from user. Check if person is eligible to vote (age ≥ 18).

age = int(input("Enter age: "))

if age >= 18:

print("Eligible to vote")

else:

print("Not eligible to vote")

1. Take a number from user. Check if it is divisible by 2, 3, or both.

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

if n % 2 == 0 and n % 3 == 0:

print("Divisible by both 2 and 3")

else:

print("Not divisible by 2 or 3")

1. Take a number from user. Print whether it is even, odd, or zero.

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

if n == 0:

print("Zero")

elif n % 2 == 0:

print("Even")

else:

print("Odd")