1.print numbers from 1 -10

# Print numbers from 1 to 10

for i in range(1, 11):

print(i)

OUTPUT

1

2

3

4

5

6

7

8

9

10

2.sumof numbers from 1 to 10

total = 0

for i in range(1, 11):

total += i

print("Sum:", total)

OUTPUT

Sum=55

3.print each character of a string

my\_string = "Hello"

for char in my\_string:

print(char)

OUTPUT

H

E

L

L

O

4.print a multiplication table

num = 5

for i in range(1, 11):

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

OUTPUT

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

5 x 6 = 30

5 x 7 = 35

5 x 8 = 40

5 x 9 = 45

5 x 10 = 50

5.Copy the number of vowels in a string

my\_string = "Hello World"

vowels = "aeiou"

count = 0

for char in my\_string:

if char.lower() in vowels:

count += 1

print("Number of vowels:", count)

OUTPUT

Number of vowels :3

1.check if a number is positive

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

if number > 0:

print("The number is positive.")

OUTPUT

Enter a number: -3

The number is not positive.

Enter a number: -3

The number is not positive.

2. 2.programme check if a number is even or odd

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

if number % 2 == 0:

print("The number is even.")

else:

print("The number is odd.")

OUTPUT

Enter a number: 4

The number is even.

Enter a number: 7

The number is odd.

3.programme check if a number is positive negative or zero

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

if number > 0:

print("The number is positive.")

elif number < 0:

print("The number is negative.")

else:

print("The number is zero.")

OUTPUT

Enter a number: 5

The number is positive.

Enter a number: -3

The number is negative.

Enter a number: 0

The number is zero.

4check if the user is eligible to vote based on their age

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

if age >= 18:

print("You are eligible to vote.")

else:

print("You are not eligible to vote.")

OUTPUT

Enter your age: 20

You are eligible to vote.

Enter your age: 16

You are not eligible to vote.

Enter your age: 18

You are eligible to vote..

5.check if a student has passed or failed based on their marks

marks = int(input("Enter your marks: "))

if marks >= 50:

if marks >= 60:

print("You have passed with distinction!")

else:

print("You have passed.")

else:

print("You have failed.")

OUTPUT

Enter your marks: 70

You have passed with distinction!

Enter your marks: 55

You have passed.

Enter your marks: 45

You have failed