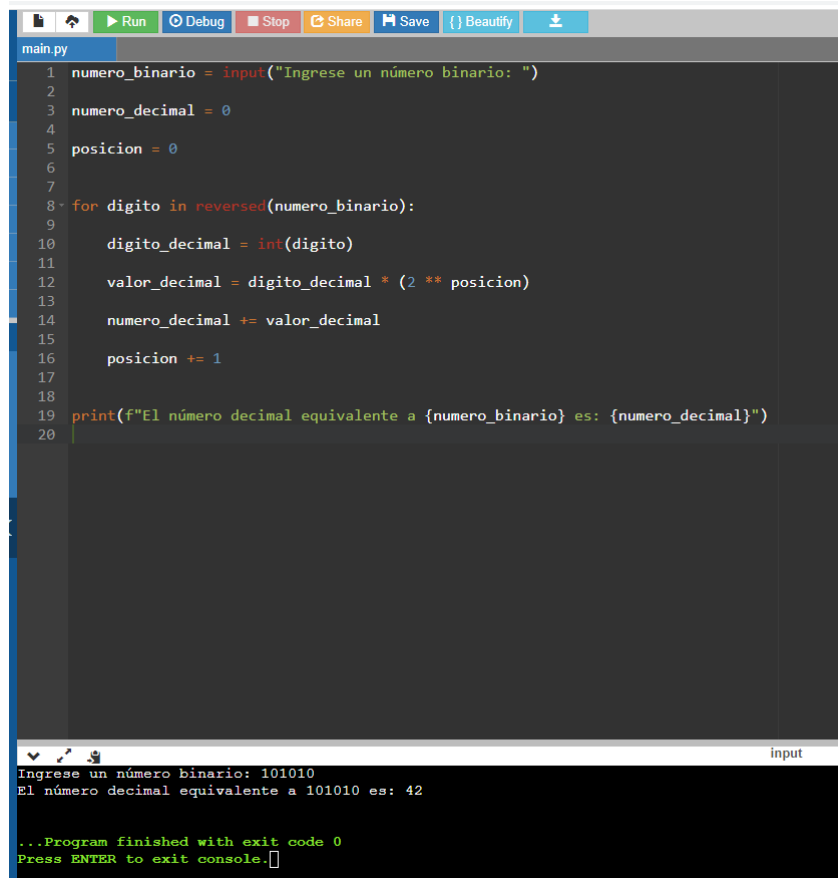


De binario a decimal

```
numero_binario = input("Ingrese un número binario: ")
numero_decimal = 0
posicion = 0
for digito in reversed(numero_binario):
    digito_decimal = int(digito)
    valor_decimal = digito_decimal * (2 ** posicion)
    numero_decimal += valor_decimal
    posicion += 1
print(f"El número decimal equivalente a {numero_binario} es: {numero_decimal}")
```



The image shows a screenshot of a Python IDE with a dark theme. The editor window displays a script for converting a binary number to a decimal number. The script uses a loop to iterate over the digits of the binary number in reverse order, calculating the decimal value for each digit and accumulating it. The console output shows the user inputting '101010' and the program outputting 'El número decimal equivalente a 101010 es: 42'. The IDE interface includes a toolbar with buttons for Run, Debug, Stop, Share, Save, Beautify, and a download icon. The file name 'main.py' is visible in the top left corner of the editor.

```
main.py
1 numero_binario = input("Ingrese un número binario: ")
2
3 numero_decimal = 0
4
5 posicion = 0
6
7
8 for digito in reversed(numero_binario):
9
10     digito_decimal = int(digito)
11
12     valor_decimal = digito_decimal * (2 ** posicion)
13
14     numero_decimal += valor_decimal
15
16     posicion += 1
17
18
19 print(f"El número decimal equivalente a {numero_binario} es: {numero_decimal}")
20
```

input

Ingrese un número binario: 101010
El número decimal equivalente a 101010 es: 42

...Program finished with exit code 0
Press ENTER to exit console.