

HW

- 1) write a python program to print all the odd numbers in between 1 to 100.
- 2) write a python program to print 1 to 10 and display their sum.
- 3) write a python program to input two no as a range display all the odd numbers in between them.
- 4) write a python program to input a no display its factorial value.
- 5) write a python program to input two numbers as base and exponent display the power value without using exponent operator.

Answer

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1 -> i = 0
while i < 100:
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    if (i % 2 != 0):
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        print(i)
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    i = i + 1
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2 → $n = 1, \text{sum} = 0$

while $n \leq 10$:

Print (n)

$\text{sum} = \text{sum} + n$

$n = n + 1$

Print (sum)

3 → $L = \text{int}(\text{input}(\text{"Enter lower range:"}))$

$h = \text{int}(\text{input}(\text{"Enter higher range:"}))$

for i in range $(L, h + 1)$

if $(i \% 2 \neq 0)$

Print $-i$

4 → $n = \text{int}(\text{input}(\text{"Enter no:"}))$

Factorial = 1

if $n > 0$

For i in range (1, n+1)

Factorial = Factorial * i

Print(Factorial)

5 -> Base = int(input("Enter the Base:"))

exponent = int(input("Enter the Exponent:"))

result = 1

while exponent != 0

result = result * base

Exponent = exponent - 1

Print(result)