William Prado
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Print ( )
input ( )
StB ( )
int ( )
float ( )

Operations
( ), ^, *
/, +, -
" ", ' ', # comments
"{:.2f}".format(number)

Var1 = 10
Var2 = 9

Var1 + Var2 =

The if Statement

Condition expression is evaluated as either true or false.
Colon(:) appears after the condition
Indented, block of statements belong together as a group.

Operator	Meaning
>	Greater than
<	Less than
>=	Greater than or equal to
<=	less than or equal to
==	equal to
!=	Not equal to

Logical Operators

One Lab.

2025-06-12 Python_chpt_3- hwk - lab 1 of 6.py - C:/Users/wprado/Desktop/Python/Chapter 3/2025-06-12 Python_chpt_3- hwk - lab 1 of 6.py (3.13.4)

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```
#1 - Write an if statement that checks if the variable a is equal to 1. If it is equal to 1,
#print a message saying, 'a equals 1', else print 'a is not equal to 1'.

a = 1
value = int(input("Enter a Value: "))

if value < a:
    print("Too small...")

else:
    print ("Perfect Fit!")

#2.Write an input statement that gets a value from the user that will be represented by
#variable B. You are requested to add an if-else statement to checkIf the variable B is less
#than 10. If the value from the user is less than 10 print, 'Too small'. Else, it should print,'Perfect fit'.

B = int(input("Enter a value for B: "))

if B < 10:
    print("Too small")
else:
    print("Perfect fit")

```

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```
24
25 #3 - Write an if-else statement that asks the user to enter the speed at which he is driving.
26 #If the speed is less than 50 print 'Speed in limit', else print 'Speed should be checked'.
27
28 speed = 50
29 speed_limit = int(input("How fast are you driving?"))
30
31 if speed_limit < speed:
32     print("Keep Crusing!!")
33 else:
34     print("Check your speed brother..")
35
36
37 #HWK number4
38
39 # age <= 1  INFANT
40 # age >1 and age < 13 CHILD
41 #age >= 13 and age <20 TEENAGER
42 #age >= 20 ADULT
43
44 age = int(input("What is your age?"))
45
46 if age <= 1:
47     print("You are an infant...")
48 elif age > 1 and age < 13:
49     print("You are a child...")
50
51 elif age > 13 and age < 20:
52     print("You are a teenager...")
53 else:
54     print("You are a cybersecurity expert!!!")
55
56
```

```
1
2
3  #5 - Create a variable called points and assign the number 5 to it. Write an if-else statement
4  #that determines whether the points variable is outside the range of 9 to 51.  If the
5  #variable's value is outside this range it should display "Invalid points." Otherwise, it
6  #should display "Valid points".
7  Points = 5
8  Variable = int(input("Enter a whole number: "))
9
10 if (Variable < 9 or Variable > 51) and (Variable != Points):
11     print('Invalid points.')
12
13 else:
14     print("Invalid Points")
15
16 #6 - Write a program that assigns a number to a variable. Write an if-else statement that
17 #determines whether the number is outside the range of 9 to 51. If the number's value is
18 #outside this range it should display "Number is not valid". Otherwise, it should display
19 #"Number is valid".
20
21 number = int(input('Type a number: '))
22 if (number < 9 or number > 51):
23     print("Your number is outside the range")
24 else:
25     print("Your number is inside the range")
26
27
28
29
30
```

IDLE Shell 3.13.4

File Edit Shell Debug Options Window Help

```
Python 3.13.4 (tags/v3.13.4:8a526ec, Jun  3 2025, 17:46:04) [MSC v.1943 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
= RESTART: C:/Users/wprado/Desktop/Python/Chapter 3/2025-06-12 Python_chpt_3- hwk - lab 1 of 6.py
Enter a Value: 4
Perfect Fit!
Enter a value for B: 9
Too small
How fast are you driving?55
Check your speed brother..
What is your age?34
You are a cybersecurity expert!!!.
Enter a whole number: 44
Invalid Points
Type a number: 0
Your number is outside the range
>>>
>>>
```