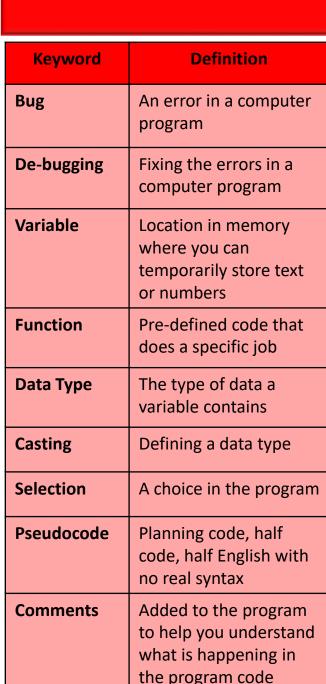
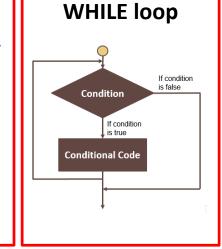
Introduction to Python



Using variables functions and comments #firstname is a variable Comments appear in RED and have a print ("What is your name?") preceding # firstname = input() symbol. print ("Hello,",firstname) **Functions** appear File Edit Shell Debug Options Windows Help in purple, print () What is your name? and input () are functions

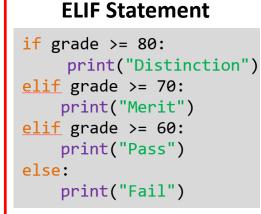


Casting

int(age)

float(price)

bool(answer)



IF gives you two options.

ELIF stands for Else If and gives you more options. str(username)

> You can use ELIF as many times as you like.

Data types

String – holds alphanumeric data as text

Integer – hold whole numbers

Float – holds numbers with a decimal point

Boolean – holds either 'True' or 'False'

Types of Errors/Bugs

Syntax Error – breaks the rules of the programming language

Logic Error – code will run, but will not work as the programmer expects

Arithmetic Operators

Antilinetic Operators			
Arithmetic	Operator	Example	Output
Addition	+	2 + 10	12
Subtraction	-	9 – 6	3
Multiplication	*	5 * 4	20
Division	1	5/2	2.5
Floor Division	11	7 // 2	3
Remainder	%	7 % 3	1

Operator	Meaning	Example	Evaluates to	
==	equal to	7==7	True	
!=	not equal to	6!=7	True	
>	Greater than	7>6	True	
<	Less than	5<8	True	
>=	Greater than or equal to	6>=8	False	
<=	Less than or equal to	7<=7	True	

Comparison Operators