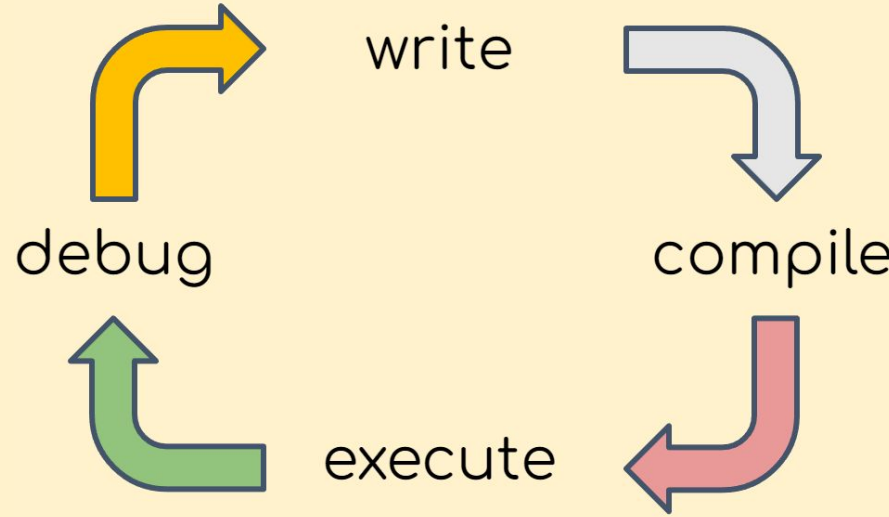
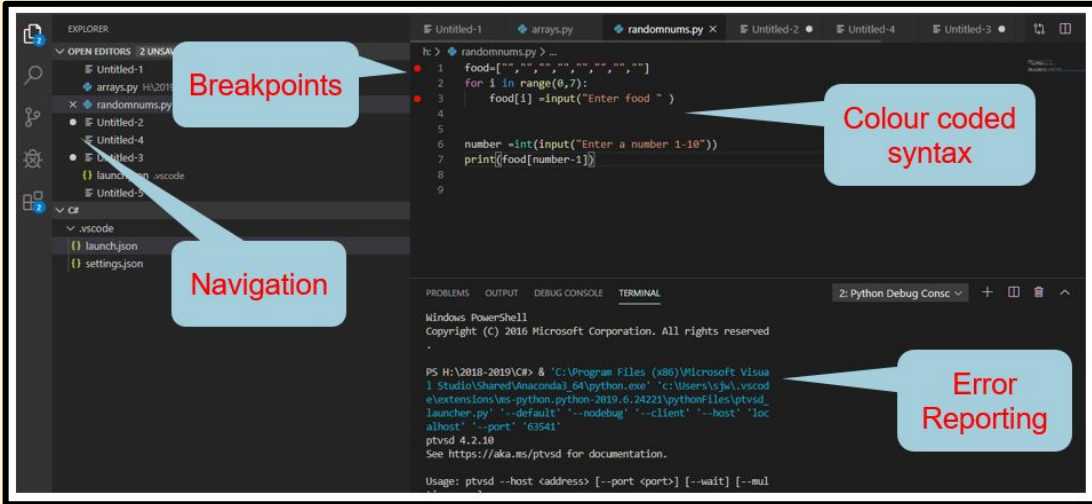


The Integrated Development Environment (IDE)

Key Words		Code Development	Tools		
auto-suggestion	The IDE will suggest how to complete the line of code being written.	- Writing a computer program involves a number of stages. Each stage needs a different tool.  - An IDE brings all the tools necessary into one application to help develop a program all in one place. - IDEs speed up the development of a program by helping to produce error-free, maintainable code. - Examples of IDEs include Python IDLE and Eclipse - Here is a typical IDE and the features it offers 	Tool	Description	
auto-correct	The IDE will automatically correct the spelling of keywords		editor	Editors are software which allow programmers to write and edit code. Editors in an IDE usually offer facilities such as: - automatic line numbering - colour coding - auto-correct - auto-suggestion - auto-indent	
breakpoint	Points in the code where the program can be stopped to see what is happening and check for errors.		error diagnostics	Debugging tools help programmers to locate and fix errors: - Breakpoints enable a program to be paused or stopped at predetermined points. - Variable tracing lets the programmer see the changing values of variables as the program runs. - Some IDEs pinpoint exactly where a syntax error occurs, or at which line in a program an error is generated.	
colour coding	The IDE colours different parts of the code (keywords, variables, comments) in different colours to make the code easier to read.				
debug	The process of finding and correcting programming errors.				
editor	A program that allows the writing and amending of code.				
logical error	An error in the way a program works. The program simply does not do what it is expected to do.				
maintainable code	Code that is easy to understand, modify and update, by for example, using sensible variable names and adding comments.	runtime environment	A part of an IDE which allows a program to be run and the output viewed.		
runtime	The period when a computer program is executing or running.	translators	Program that converts source code into machine code to be executed by the CPU.		
syntax error	Error in a program resulting from code not following the rules governing how to write statements in a programming language.				
translator	A program that translates high-level programming languages into machine code.				

Quizizz



Extended Reading



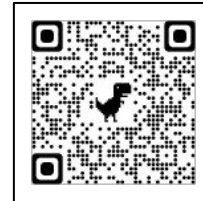
Exam Questions



Video



Revision Techniques



Quizlet



Specification

