

Year 8 Knowledge Organiser Computer Science

Sample Python Program

```
test1 = int(input("Please input test score 1 / 20: "))
test2 = int(input("Please input test score 2 / 20: "))
test3 = int(input("Please input test score 3 / 20: "))
```

```
totalScore = test1 + test2 + test3
```

```
if totalScore >= 48:
    print("Well Done!, Distinction.")
elif totalScore >= 42:
    print("Good score, a Merit!")
elif totalScore >= 36:
    print("You have passed")
else:
    print(totalScore, "Sorry you have failed")
```

Key Terms Table

Icon	Key Term	Definition & Example
	Integer	A whole number. Example: 5
	String	Text enclosed in quotes. Example: "Hello"
	Input	Takes user input. Example: input("Enter name: ")
	Output (print)	Displays output. Example: print("Hello")
	if / elif / else (Selection)	Decision making. Example: if score > 10:
+	Concatenation	Joining strings. Example: "Hello " + name
()	Bracket	Used in functions. Example: print()
“”	Quotation Marks	Used for strings. Example: "text"
:	Colon	Used in control structures. Example: if x > 0:

	Indentation	Used to define blocks. Example: 4 spaces after if
	Variable	A value that could change that is stored in memory. Example: score = 10

Quiz Section

1. What is a variable?
2. What does the input() function do?
3. What is the purpose of indentation in Python?
4. What symbol is used for concatenation?
5. What is the difference between a string and an integer?

Notes Section