

Questions

1) Give two reasons for declaring a variable. [2]

2) a) Describe a variable. [2]

b) Describe a constant. [2]



3) Write code to assign the value of the speed of light (299,792,458 m/s) to a constant. [1]

4) A programmer has started to write a chat bot:

```
print("Welcome to my Chat Bot")
name ← input("What is your name? ")
print("Hello", name)
```



a) Refine the code so that it asks the user how old they are by name, e.g. "Hello Jamie, how old are you?" [3]



b) Refine the code further so it responds by saying (e.g.) "Jamie, you are n years old. I'm 25." where n is the age input by the user. [1]