



F1.7 Input from the user

Programming basics · GCSE · OCR J277 2.2.1, AQA 8525 3.2.7, Edexcel
1CP2 6.4.1 · about 12 min

Name _____

Class _____

Date _____

What this lesson is about

Asking questions with `input()`, and why every answer is text.

- Asking a question
- The robot waits too
- Asking more than once
- Joining text to an answer
- Answers are always text
- Tasks that answer for you

Questions

5 marks in all

1. What does the program do when it reaches `name = input("Name? ")`? [1 mark]

- ☐ A Shows the prompt and waits for the user to type and press Enter
- ☐ B Carries on and fills in name later
- ☐ C Prints the value of name
- ☐ D Asks the robot for its name

2. The user types 20 at `far = input("How far? ")`. What is stored in far? [1 mark]

- ☐ A The string "20"
- ☐ B The integer 20
- ☐ C The real number 20.0
- ☐ D Nothing until it is printed

3. What does this program print? [1 mark]

```
far = "20"  
print(far * 3)
```

4. Why leave a space at the end of the prompt, as in `input("Name? ")`? [1 mark]

- ☐ A So the answer is not squashed against the question
- ☐ B Python needs it to work
- ☐ C It makes the answer a string
- ☐ D It stops the robot

5. Which of these are inputs to a program?

[1 mark]

Tick every answer that is true.

- ☐ A A name typed at the keyboard
- ☐ B A distance reading from a sensor
- ☐ C Text printed to the screen
- ☐ D A note played on the buzzer

The task: greet by name

Ask `What is your name?` , then print `Hello <name>`, I am BugBot using the answer, and turn the LED green. The task will answer `Ada` , but your program must work for any name, so do not type Ada into it.

```
# the two lines every program starts with: the commands, then the robot
from bugbot import *
connect()

name = ...
```

Plan your program here, then type it in and press Run.



Do it on the robot

www.bugbotlab.com/learn/f1-7-input/

The simulator checks it and tells you when it passes. Nothing to install, no account.

Challenges

1. Ask for a colour and a second colour, and flash the LED between them three times.
2. Ask the user's name, then print it five times on one line using `*`.
3. What happens if you just press Enter without typing anything? What does `input` give back?