Plenary – Questions

Q1. Which of these keywords enables you to create a user defined function in micropython?

1. call
2. **def**
3. create
4. define

Q2. How do you call a function called set\_power()

1. define set\_power()
2. call set\_power()
3. **set\_power()**
4. fetch set\_power()

Q3. What is the difference between an in-built and user defined function?

1. in-built can’t do as much
2. user defined can’t do as much
3. **In-built are pre-defined in python libraries and can be called directly, whereas user defined are created within the program by the user**
4. in-built cannot access user input

Q4. Which one of the following statements is true?

1. **The relay allows an output of a micro:bit to switch components on and off.**
2. The fan could function without the relay
3. micro:bits can’t even switch on and off LEDs without a relay
4. The relay needs different alligator clip leads than the rest of the circuit

Q5. Copying your micro:bit program to the micro:bit’s flash memory is called

1. copying
2. duplicating
3. **flashing**
4. saving

Q6. What is this a short-hand way of saying?

speed -= 1

1. increase the variable speed by 1
2. **speed = speed -1**
3. speed - speed +1
4. speed should not be more than 1

Q7.What does this inbuilt function do?

display.show()

1. reverses the value of the contents of the bracket
2. clears the LED display on the micro:bit
3. **displays the contents in the bracket on the micro:bit**
4. scrolls words on the micro:bit

Q8. What is the difference between the yellow alligator clip lead and the red?

1. it is longer
2. it is more suitable for use with the fan
3. it cannot be used with the fan
4. **nothing….except the colour**

Q9. Which type of loops were in the fan program?

1. none
2. If, elif
3. **while, if, elif**
4. while, if

Q10. How do you make a micropython program pause for half a second?

1. pause (500)
2. **sleep (500)**
3. pause (0.5)
4. sleep (0.50