

UAL Creative Computing Institute Diploma
Unit 1: "Creative coding and creative computing frameworks"
Assessment 1: Multiple Choice Test
Monday 20th January, 2020.

Directions: Please fill out your name below. Please answer each of the 20 questions once, by ticking the box of the answer you think is correct. You may use the internet, but do not talk, confer with others or cheat. You are only cheating yourself. Otherwise, standard exam conditions apply. Use paper to work out your answers if you need to

Duration: 60 minutes or 75 minutes for students with ISAs.

Name (PRINT IN CAPITALS):

Question 1:

What is 11011 in decimal?

- 11011
- 27
- 11010
- None of the above

Question 2:

Why are binary numbers used in computing?

- No one knows
- Hard to understand
- Tradition
- None of the above

Question 3:

Given a three dimensional array, how do I access the first, third, ninth element?

- [1] [3] [9]
- [1] [2] [8]
- [0] [2] [8]
- [9] [2] [0]

Question 4:

What is the p5.js code to draw a rectangle covering the entire screen?

- `rect(0, 0, displayWidth, displayHeight);`
- `rect(displayWidth, displayHeight, 0, 0);`
- `rect(displayWidth, displayHeight, displayWidth, displayHeight);`
- `rect(displayWidth, -displayHeight, 0, 0);`

Question 5:

What value will the value of r be after this line of code executes:

`let r = (random(50)/2);?`

- 1
- 25
- 50
- Can't tell

Question 6:

*What is the binary equivalent of this logical statement?
TRUE AND FALSE*

- 1
- 0
- 1
- None of the above

Question 7:

Which direction is +z?

- Up
- Down
- Left
- It depends on the software

Question 8:

How many radians in 360 degrees?

- 2
- 2pi
- 0.5
- 4

Question 9:

What is a feedback loop?

- When output becomes input and vice versa
- A way of looking through an array
- Audio software
- A toy

Question 10:

How many dimensions does a polyhedron have?

- 2
- 3
- 4
- More than 6

Question 11:

What is git?

- Version control software
- Website software
- Wiki software
- Drawing software

Question 12:

How far does a sine wave have to travel before it repeats?

- 1
- Pi
- 2 pi
- It depends

Question 13:

How do you store a two dimensional array in a one dimensional one?

- Can't be done
- Place all the elements side by side
- Use a three dimensional array
- Use the Pythagorean theorem

Question 14:

Write pure green in integer 8 bit RGB values:

- (0,0,1)
- (127,127,127)
- (0,1,0)
- (0,255,0)

Question 15:

What is the complementary colour of blue?

- Orange
- Red
- Green
- Purple

Question 16:

Why do human eyes have a blind spot?

- Optic nerve position
- Societal Bias
- No one knows
- None of the above

Question 17:

What is closed source software?

- Developed by people inside buildings
- People outside buildings
- Software for profit
- The code is secret to outsiders

Question 18:

If machine learning makes rules, what does classical programming make?

- Answers
- Nothing
- Rules
- All of the above

Question 19:

How many bits in two bytes?

- 2
- 4
- 8
- 16

Question 20:

What is obfuscation?

- A software program
- Use of technical words to make understanding easier
- A political party
- None of the above