Teaching KS3 Computing

Week 5 Homework answers

Exercise 1

Binary	Denary
010101	21
000011	3
111110	62
101100	44

Denary	Binary
55	110111
24	011000
17	010001
59	111011

Exercise 2

Binary	Hexadeimal		Hexadecimal	Binary
10101010	AA		AF	10101111
00001111	0F		2D	00101101
10111111	BF		E4	11100100
10110010	B2		FF	11111111

Exercise 3

What kind of guns do bees use?

01000010 01100101 01100101 01000010 01100101 01100101 00100000 01100111
01110101 01101110 01110011

Answer _____BeeBee guns

What do you call a Bee who is having a bad hair day?

01000001 00100000 01000110 01010010 01001001 01010011 01000010 01000101
01000101 00100001

Answer ____A Frisbee!

Answer to homework…

There were five errors!

```
# program with errors

def Example2():
    # repeat while carryOn == "y"
    carryOn = "y"
    print("Name program")
    print
    while carryon == "y":

        yourName = input("Please enter your name")
        carryOn = input("Do you want to enter another name? (y/n) )

        Print("Hello "+yourname)
    print("End of program")
```

Corrected program

```python
# correct program

def Example2():
    # repeat while carryOn == True
    carryOn = "y"
    print("Name program")
    print()
    while carryOn == "y":

        yourName = input("Please enter your name")
        carryOn = input("Do you want to enter another name? (y/n) ")

        print("Hello "+yourName)
    print("End of program")
```