Digital Bootcamp: Data Technician

Python – Coding Examples

```python
for i in range(22):
    if i % 2 == 0:
        print(i)
```
```
0
2
4
6
8
10
12
14
16
18
20
```

```python
import random
num = random.randint(1, 10)
guess = None
while guess != num:
    guess = input("Guess a number from 1 to 10: ")
    guess = int(guess)
    if guess == num:
        print("Congratulations!")
        break
    else:
        print ("Try again, lower/higher")
```
```
Guess a number from 1 to 10:  2
Try again, lower/higher
Guess a number from 1 to 10:  1
Try again, lower/higher
Guess a number from 1 to 10:  3
Try again, lower/higher
Guess a number from 1 to 10:  4
Try again, lower/higher
Guess a number from 1 to 10:  5
Try again, lower/higher
Guess a number from 1 to 10:  6
Try again, lower/higher
Guess a number from 1 to 10:  7
Try again, lower/higher
Guess a number from 1 to 10:  8
Try again, lower/higher
Guess a number from 1 to 10:  9
Congratulations!
```

```python
n = float(input("Enter number: "))
if n > 0:
    print("It is positive number")
elif n == 0:
    print("It is 0")
else:
    print("It is negative number")
```
```
Enter number:  7
It is positive number
```

```python
list = [1,2,3,4,5,6,7,8,9,10]
for num in list1:
    if num % 2 != 0:
        print(num, end=" ")
```
```
1 3 5 7 9
```

```python
[28]: def multiples(x):
    for n in range(20):
        n = (n*x)
        if n <= 20:
            print(n)
print(multiples(3))
```
```
0
3
6
9
12
15
18
None
```

```python
miles = 1
kilometres = 1.61
miles_kilometres = miles*kilometres
print ("What is 6 miles in KM?: ", miles_kilometres*6)
answ = float(input("Enter Kilometres so it's converted to m:
kilometres_miles = answ/kilometres
print (kilometres_miles)
```
```
What is 6 miles in KM?:  9.66
Enter Kilometres so it's converted to miles:  6
3.7267080745341614
```