In [1]:
```
# printing the length of var
var = "Big Data and Data Science"
print(len(var))
```

```
25
```

In [2]:
```
# Extract “Science” from var using string index slicing
print(var[18:])
```

```
Science
```

In [3]:
```
# Printing the types
print(1, "is", type(1))
print(1.0, "is", type(1.0))
print("1", "is", type("1"))
```

```
1 is <class 'int'>
1.0 is <class 'float'>
1 is <class 'str'>
```

In [4]:
```
# printing all odd numbers from 1 to 21 including both numbers

start, end = 1, 21

# iterating each number in list
for num in range(start, end + 1):

        # checking condition
        if num % 2 != 0:
                print(num, end = " ")
```

```
1 3 5 7 9 11 13 15 17 19 21
```

In [5]:
```
# function which takes a string as its parameter and returns the length of the string.
def findLen(ais):
    return sum( 1 for i in ais);

ais = 'Junjook'
print(findLen(ais))
```

```
7
```

In [21]:
```
#  function which takes a positive integer n as its parameter, and prints out all odd
def print_odd(n1):
    for i in range(0,n1+1):
        if i%2 != 0:
            print(i)

print("enter last number")
n1 = int(input())
print_odd(n1)
```

```
enter last number
32
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
```

In [13]:
```python
# Object Oriented Programming
class Employee:
    def __init__(self, name, age, position):
        self.name=name
        self.age=age
        self.position=position
    def get_name(self):
        return self.name
    def set_name(self, name):
        self.name=name
    def get_age(self):
        return self.age
    def set_age(self,age):
        self.age=age
    def get_position(self):
        return self.position
    def set_position(self,position):
        self.position=position
    def check_CEO(self):
        if self.position=="CEO":
            return True
        else:
            return False
name="Mike"

age="62"

position="CEO"

A = Employee (name, age, position)

A. get_name() #'Mike'
```

Out[13]:
```
'Mike'
```

In [14]:
```python
A. check_CEO() #True
```

Out[14]:
```
True
```

In [16]:
```
name="Leon"

age="32"

position="SDE"

B = Employee (name, age, position)

B.get_name() # 'Leon'
```

Out[16]:
```
'Leon'
```

In [17]:
```
B. check_CEO() #'False'
```

Out[17]:
```
False
```

Reference:

1. https://www.tutorialstonight.com/python/print-in-python-3
2. https://www.geeksforgeeks.org/python-program-to-print-all-odd-numbers-in-a-range/

In [ ]: