# ▾ Business Analytics Assignment [ PYTHON ]

### 1) Python?

Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically-typed and garbage-collected. It supports multiple programming paradigms, including structured (particularly procedural), object-oriented and functional programming. It is often described as a "batteries included" language due to its comprehensive standard library.

### 2) Create a login function

```
def login():
    username = input("Please enter your username: ")
    password = input("Please enter your password: ")
    if username == "Manoj" and password == "1234":
        print("Welcome", username)
    else:
        print("Invalid username or password!")
```

### 3) Write a program to find odd or even number

```
print('Find the odd or Even')
Type_Number = int(input('Enter the number\n'))
if Type_Number % 2 == 0:
 print("its even number")
else:
    print("its odd number")
```

```
    Find the odd or Even
    Enter the number
    1
    its odd number
```

### 4) Create a list of fruits and iterate through them

```
print('List of Fruits')
Fruits = ['Apple', 'Banana', 'Cherry','Pineapple','Mango','Watermelon']
```

```
for A in Fruits:
    print(A)
```

```
    List of Fruits
    Apple
    Banana
    Cherry
    Pineapple
    Mango
    Watermelon
```

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