Code snippet

## 20BCG10024 - SATYAM SONI

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1.
name = "Satyam" age = 21
print("My name is", name, "and I am", age, "years old.")
2.
X = "Datascience is used to extract meaningful insights."
print(X.split())
3.
def multiply(a, b): return a * b
print(multiply(2, 3))
4.
states = {
"California": "Sacramento",
"Texas": "Austin",
 "Florida": "Tallahassee",
 "New York": "Albany",
 "Illinois": "Springfield"
}
for key, value in states.items():
print(key, "is the capital of", value)
5.
numbers = list(range(1000))
print(numbers)
```

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6.
identity_matrix = [[1, 0, 0, 0],
          [0, 1, 0, 0],
           [0, 0, 1, 0],
           [0, 0, 0, 1]
print(identity_matrix)
7.
matrix = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]
print(matrix)
8.
array1 = [1, 2, 3]
array2 = [4, 5, 6]
print(array1 + array2)
9.
import datetime
start date = datetime.date(2023, 2, 1) end date = datetime.date(2023, 3, 1)
dates = []
while start_date <= end_date: dates.append(start_date) start_date +=
datetime.timedelta(days=1)
print(dates)
10.
import pandas as pd
dictionary = {'Brand': ['Maruti', 'Renault', 'Hyndai'], 'Sales': [250, 200, 240]}
df = pd.DataFrame(dictionary)
print(df)
```